X105Main English Cover 2/7/04 9:52 Page 1

* Some of the contents in this manual may differ from your phone, depending on the software installed or your service provider.

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Important Safety Precautions

Read these guidelines before using your wireless phone. Failure to comply with them may be dangerous or illegal.

Road Safety at All Times

Do not use a hand-held phone while driving; park the vehicle first.

Switching Off When Refueling

Do not use the phone at a refueling point (service station) or near fuels or chemicals.

Switching Off in Aircraft

Wireless phones can cause interference. Using them in aircraft is both illegal and dangerous.

Switching Off in Hospitals

Switch your phone off near medical equipment. Follow any regulations or rules in force.

Interference

All wireless phones may be subject to interference, which could affect their performance.

Special Regulations

Meet any special regulations in force in any area and always switch your phone off whenever it is forbidden to use it, or when it may cause interference or danger (in a hospital for example).

Sensible Use

Use only in the normal position (held to the ear). Avoid unnecessary contact with the antenna when the phone is switched on.

Emergency Call

Ensure the phone is switched on and in service. Key in the emergency number for your present location, then press the key. You must deactivate any unnecessary features before you can make an emergency call. Give all the necessary information as accurately as possible. Do not cut off the call until given permission to do so.

Water Resistance

Your phone is not water-resistance. Keep it dry.

Accessories and Batteries

Use only Samsung-approved accessories and batteries. Use of any unauthorized accessories could damage your phone and may be dangerous.

Qualified Service

Only qualified service personnel may install or repair your phone.

For more detailed safety information, see "Health and Safety Information" on page 144.

CAUTION
RISK OF EXPLOSION IF A BATTERY IS REPLACED BY AN INCORRECT TYPE.
DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

Unpacking

Your package contains the following items:

Handset

Travel Adapter

Battery

User's Manual

Ear-microphone

In addition, you can obtain the following accessories for your phone from your local Samsung dealer:

- Ear-microphone
- Battery charger
- Standard battery
- Simple hands-free kit
- Cigarette lighter adapter
- Car holder

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Your Phone

Phone Layout

The following illustrations show the main elements of your phone:

Key(s)	Description
	In Menu mode, scroll through the menu options and Phonebook. In Idle mode, allow you to access your favorite menu options directly. For further details about shortcuts, see page 105.
	In Menu mode, the Left key returns to the previous menu level and the Right key selects the current menu. When entering a number or text, move the cursor to the left and right respectively. In Idle mode, allow you to access your favorite menu options directly. For further details about shortcuts, see page 105.
(soft keys)	Perform the functions indicated by the text above them, on the bottom line of the display.
	In Idle mode, launches the WAP (Wireless Application Protocol) browser directly. When entering a number or text deletes characters from the display. In Menu mode, returns to the previous menu level.

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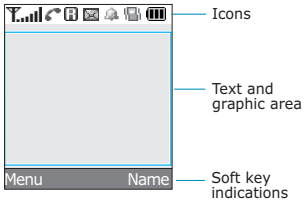
Key(s) **Description** (continued)

	Makes or answers a call. In Idle mode, recalls the last number dialed or received when held down. In Menu mode, selects a menu function or stores information that you have entered, such as a name in the phone or SIM memory.
	Ends a call. Also switches the phone on and off when held down. In Menu mode, cancels your input and returns to Idle mode.
1	In Idle mode, accesses your voice mail when held down.
0 + through 9 WXYZ	Enter numbers, letters and some special characters.
* and #	Enter special characters. Perform various functions.
	(on the left side of the phone) During a call, adjust the earpiece volume. In Idle mode, adjust the keypad tone volume. In Menu mode, scroll through the menu options and Phonebook.

Display

Display Layout

The display has three areas:



Area	Description
First line	Displays various icons. See page 14.
Middle lines	Display messages, instructions and any information that you enter, such as the number you are dialing.
Last line	Shows the functions currently assigned to the two soft keys.

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Icons

Icon	Description
	Shows the received signal strength. The greater the number of bars, the stronger the signal.
	Appears when a call is in progress.
	Appears when you are out of your service area. When it displays, you cannot make or receive a call.
	Appears when you are connected to the GPRS network.
	Appears when you are out of your home area and have logged on a different network; for example, when traveling in other countries.
	Appears when a new text message has been received.
	Appears when a new voice mail message has been received.
	Appears when a new multimedia message has been received.
	Indicates that the phone's keys are locked.
	Appears when you set an alarm to ring at a specified time.

Icon	Description (continued)
	Appears when Silent mode is active or when you set the **Alert Type** menu (**Menu 4.3**) so that the phone vibrates when you receive a call. For further details, see page 28 and page 93 respectively.
	Appears when Mute mode is active.
	Shows the level of your battery. The more bars you see, the more power you have left.

Backlight

A backlight illuminates the display and the keypad. When you press any key, the backlight turns on. It turns off when no keys are pressed within a given period of time, depending on your setting in the **Back Light** menu (**Menu 5.1.5**). After one minute, the display turns off to conserve your battery power.

To specify the length of time the backlight is active, set the **Back Light** menu (**Menu 5.1.5**). See page 98 for further details.

You can also set the phone to use the backlight only during a specified period of time, in the **Auto Light** menu (**Menu 5.1.6**). See page 98 for further details.

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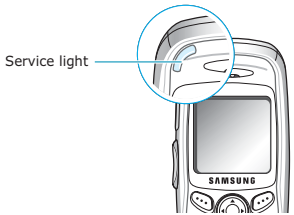
Service Light

The service light is at the top left-hand corner of the phone. It flashes when services are available on the phone.

To activate or deactivate the use of the service light, set the **Service Light** menu (**Menu 5.1.7**). See page 98 for further details.



Getting Started

Installing the SIM Card

When you subscribe to a cellular network, you are provided with a plug-in SIM card loaded with your subscription details, such as your PIN, any optional services available and so on.

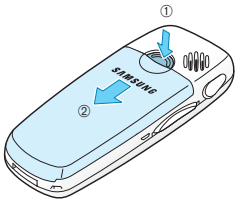
Important! The plug-in SIM card and its contacts can be easily damaged by scratches or bending, so be careful when handling, inserting or removing the card.

Keep all SIM cards out of the reach of small children.

1. If necessary, switch the phone off by holding down the ☎ key until the power-off image displays.
2. Remove the battery. To do so:

   ① Press the battery lock above the battery and hold it in this position.

   ② Slide the battery and lift it away, as shown.



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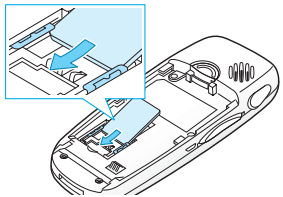
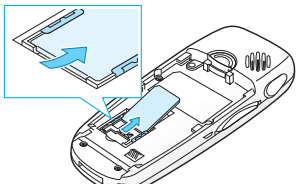
3. Slide the SIM card into the SIM card socket so that it locks the card into position.

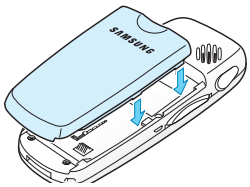
   Make sure that the notched corner is top left and the gold contacts of the card face into the phone.



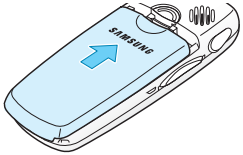
Note: When you need to remove the SIM card, slide it, as shown, and take it out of the socket.



4. Place the battery back, taking care to match the tabs on the battery with the grooves on the phone.



5. Slide the battery towards the top of the phone until it clicks into place. Make sure that the battery is properly installed before switching on the power.



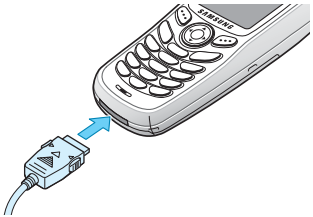
Charging the Battery

Your phone is powered by a rechargeable Li-ion battery. A travel adapter comes with your phone for charging the battery. Use only approved batteries and chargers. Ask your local Samsung dealer for further details.

You can use the phone while the battery is charging, but this causes the phone to charge more slowly.

Note: You must fully charge the battery before using your phone for the first time. A discharged battery is fully recharged in approximately 200 minutes.

1. With the battery in position on the phone, plug the connector of the travel adapter into the jack at bottom of the phone.



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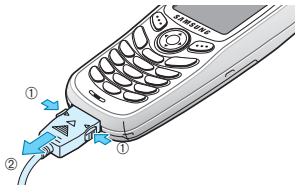
2. Plug the adapter into a standard AC wall outlet.
3. When charging is finished, unplug the adapter from the power outlet and disconnect it from the phone by pressing the gray tabs on both sides of the connector and pulling the connector out.



Note: You must unplug the adapter before removing the battery from the phone during charging; otherwise, the phone could be damaged.

Low Battery Indicator

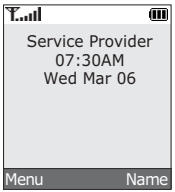
When the battery is weak and only a few minutes of talk time remain, you hear a warning tone and a message repeats at regular intervals on the display. When this happens, your phone turns off the backlight to conserve the remaining battery power.

When the battery level gets too low, the phone automatically turns off.

Switching the Phone On or Off

1. Hold down the ☎ key until the phone switches on.
2. If the phone asks you to enter the phone password, enter the password and press the **OK** soft key. The phone password is preset to "00000000" at the factory. For further details, see page 141.
3. If the phone asks for a PIN, enter the PIN and press the **OK** soft key. For further details, see page 142.

   The phone searches for your network and, after finding it, the idle screen, illustrated below, appears on the display. Now, you can make or receive a call.



   Note: The display language is preset to English at the factory. To change the language, use the **Language** menu (**Menu 5.4**). For further details, see page 100.

4. When you wish to switch the phone off, hold down the ☎ key until the power-off image displays.

   If you lock the keypad, before switching the phone off, you should unlock the keypad by pressing the **Unlock** soft key and the * key.

Locking or Unlocking the Keypad

You can lock the keypad to avoid pressing keys by mistake.

In Idle mode, press and hold the * key until the icon and "Key Pad Locked" appear on the display.

You can answer incoming calls using any keys, even if you lock the keypad. When you receive a call in Key Lock mode, the keypad is automatically unlocked. After the call, Key Lock mode is canceled.

You can dial emergency calls even if you lock the keypad. Press an emergency number. When the confirming message appears, select **Yes** by pressing the left soft key or the key. When you end the call, your phone returns to Key Lock mode.

To exit Key Lock mode, press the **Unlock** soft key and then press the * key again. "Keypad active" appears and the icon no longer displays.

You can also set the phone to automatically lock the keypad in the **Auto Key Lock** menu (**Menu 5.1.3**). For further details, see page 97.

Call Functions

Making a Call

When the idle screen displays, enter the area code and phone number, and press the key.

Note: When you activate the **Auto Redial** option in the **Extra Settings** menu (**Menu 5.6**), the phone automatically redials up to ten times when the person does not answer the call or is already on the phone. See page 104 for further details.

Making an International Call

1. Press and hold the **0** key.
   The **+** character appears.
2. Enter the country code, area code and phone number and press the key.

Correcting the Number

To clear	Press the
the last digit displayed	/C key.
any other digit in the number	Left or Right key until the cursor is immediately to the right of the digit to be cleared. Press the /C key. You can also insert a missing digit simply by pressing the appropriate key.
the whole display	/C key and hold it for more than one second.

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Ending a Call

When you want to finish your call, briefly press the key.

Redialing the Last Number

The phone stores the numbers you dialed, received or missed if the caller is identified. See "Call Records" on page 87 for further details.

To recall any of these numbers:

1. If you have typed characters on the display, press the key to return to Idle mode.
2. Press the key to display a list of the last numbers in the order you made or received them.
3. Use the Up and Down keys to scroll through the numbers until the number you want highlights.
4.

To	Press the
dial the number	key.
delete the number	**Options** soft key and select **Delete**.
edit the number	**Options** soft key and select **Edit Number**. Change the number, referring to "Correcting the Number" on page 23.
delete all of the numbers on the Redial list	**Options** soft key and select **Delete All**. For details, see page 89.

Making a Call from Phonebook

You can store the phone numbers that you use regularly in the SIM card or the phone's memory, which are collectively called Phonebook. Simply select a name to recall the associated number. For further details about the Phonebook features, see page 31.

Adjusting the Volume

During a call, if you want to adjust the earpiece volume, use the Volume keys on the left side of the phone.

Press the key to increase the volume level and the key to decrease the level.

In Idle mode, you can also adjust the keypad tone volume using these keys.

Answering a Call

When somebody calls you, the phone rings and displays the incoming call animation.

When the caller can be identified, the caller's phone number, or name if stored in your Phonebook, displays.

1. Press the key or the **Accept** soft key to answer the incoming call.

   If the **Anykey Answer** option in the **Extra Settings** menu (**Menu 5.6**) is activated, you can press any key to answer a call except for the key and the **Reject** soft key. See page 104.

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2. End the call by pressing the key.

Notes:

- You can answer a call while using Phonebook or menu features.
- You can answer a call in Key Lock mode. After the call, the mode is canceled.

Viewing Missed Calls

When you are unable to answer a call for any reason, you can find out who is calling you, if this service is available, so that you can call the person back.

The number of calls you missed displays on the idle screen immediately after a call is missed.

To view the missed call immediately:

1. Press the **View** soft key.

   The number corresponding to the most recent missed call displays, if available.

2.

To	Press the
scroll through the missed calls	Up or Down key.
call the number displayed	key.
edit or delete a missed call number	**Select** soft key. See below.

Editing a Missed Call Number

Note: When the number corresponding to the missed call is not available, the **Edit Number** option does not display.

1. Press the **Options** soft key.
2. Press the Up or Down key to highlight the **Edit Number** option.
3. Press the **Select** soft key.
4. Change the number.
5.

To	Press the
call the number	key.
store the number	**Save** soft key and enter the name and location. For further details, see page 31.

Deleting a Missed Call

1. Press the **Options** soft key.
2. If necessary, press the Up or Down key to highlight the **Delete** option.
3. Press the **Select** soft key.

You can press the key at any time to exit the Missed Call feature.

Note: You can access the Missed Call feature at any time by selecting the **Missed Calls** menu (**Menu 3.1**). For further details, see page 87.

Quickly Switching to Silent Mode

Silent mode is convenient when you wish to stop the phone from making noise, in a theater for example.

In Idle mode, press and hold the # key until the "Silent Mode" message and the Vibration icon ( ) display.

In Silent mode, your phone changes the sound settings as follows:

Option	New Setting
Alert Type (**Menu 4.3**)	Vibration
Keypad Tone (**Menu 4.4**)	Off
Message Tone (**Menu 4.5**)	Light + Vibration
Power off tone	Off
Error Tone (**Menu 4.7.1**)	Unmark

To exit and reactivate the previous sound settings, press and hold the # key again until "Exit Silent Mode" appears. The Vibration icon ( ) no longer displays.

Note: When you turn your phone off, Silent Mode is automatically deactivated.

Selecting Functions and Options

Your phone offers a set of functions that allow you to customize it. These functions are arranged in menus and sub-menus, accessed using the two soft keys marked and . Each menu and sub-menu allows you to view and alter the settings of a particular function.

The roles of the soft keys vary according to the function you are currently using; the label on the bottom line of the display just above each key indicates its current role.

Example:

Press the left soft key to access Menu mode.

Press the right soft key to access the Phonebook feature.

Selecting Functions and Options

To view the various function and options available and to select the one you want:

1. Press the appropriate soft key.

2.

To	Press the
select the: • function displayed • option highlighted	**Select** soft key or the Right key.
view the next function or highlight the next option on a list	Down key or ▼ key on the left side of the phone.
move back to the previous function or option on a list	Up key or ▲ key on the left side of the phone.
move back up one level in the structure	Left key, ↩ soft key or *i*/C key.
exit the structure without changing the settings	☎ key.

In some functions, you may be asked for a password or PIN. Enter the required code and press the **OK** soft key.

Note: When you access a list of options, your phone highlights the current option. If, however, there are only two options, such as **On**/**Off** or **Enable**/**Disable**, your phone highlights the option that is not currently active so that you can select it directly.

Phonebook

You can store phone numbers and their corresponding names in your SIM card and phone's memories. They are physically separate but are used as a single entity, called Phonebook.

Storing a Number with a Name

There are two ways to store a number:

- Using the **Save** soft key in Idle mode
- Using the **New Entry** option in the Phonebook menu

Storing a Number in Idle Mode

As soon as you start to enter a number, **Save** appears above the left soft key to allow you to store the number in Phonebook.

1. Enter the number you want to store.

   Note: If you make a mistake while entering a number, correct it using the *i*/C key. For further details, see page 23.

2. When you are sure that it is correct, press the **Save** soft key.

3. Select an icon to identify the category of the number to be stored. Three categories are available:
   - : Mobile phone number
   - : Office number
   - : Home number

   To select the category, press the Left or Right key and press the **Select** soft key.

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4. Select a memory location, either **SIM** or **Phone**, by pressing the Up or Down key and press the **Select** soft key.

   Note: If you change phones, any numbers stored in your SIM card memory are automatically available with the new phone, whereas any numbers stored in the phone's memory must be reentered.

5. Enter a name and press the **OK** soft key.

   The maximum length you can enter for a name depends on your SIM card. For further details about how to enter characters, see page 42.

6. If you do not want to save the number and name in the suggested location, press the *i*/C key to clear the location number and enter your preferred location by pressing the number keys.

7. Press the **OK** soft key to store the name and number.

   After storing, the phone displays the Phonebook entry or name just created.

8.

To	Press the
use the entry options	**Options** soft key. For further details, see page 34.
return to the idle screen	key.

Storing a Number Using the Phonebook Menu

1. When the idle screen displays, press the **Name** soft key.

2. Scroll to **New Entry** by pressing the Up or Down key and press the **Select** soft key.

3. Select an icon to identify the category of the number to be stored by pressing the Left or Right key, and press the **Select** soft key.

   Note: The E-mail icon ( ) is available in this step. It allows you to save an E-mail address instead of a phone number.

4. Select a memory location, either **SIM** or **Phone**, by pressing the Up or Down key and press the **Select** soft key

5. Enter a name and press the **OK** soft key.

   The maximum length you can enter for a name depends on your SIM card. For further details about how to enter characters, see page 42.

6. Enter the number or address you want to store and press the **Save** soft key.

7. Continue the procedure from step 6 on page 32 to store the number.

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Using Phonebook Entry Options

While accessing any Phonebook entry, press the **Options** soft key to access the options for the entry.

To	Press the
select the highlighted option	**Select** soft key or the Right key.
highlight a different option	Up or Down key until the option you want highlights.

The following options are available:

Paste: allows you to paste the number into the normal dialing mode. Use this option to dial a number similar to one in Phonebook, such as a different extension in the same office.

Use the *i*/C key to change the number as required; see page 23 for further details. When you are ready to dial, press the key.

Edit: allows you to edit the name and/or number.

Delete: allows you to delete the name and number from Phonebook. You are asked to confirm that you wish to delete the name and number by pressing the **Yes** soft key.

Copy: allows you to copy the number to another location. You can select the memory and the location number.

Caller Group: allows you to organize your Phonebook entries in caller groups so that the phone alerts you in a specific way when a person from one of your groups calls you. Select one of the ten groups available.

To remove an entry from a group, select the **No Group** option.

For further details about how to change caller group properties, see page 37.

Add Entry: allows you to add a new number to the selected name.

Searching for a Number in Phonebook

After storing numbers in Phonebook, you can search for them in two ways; by name and by caller group.

Searching for a Number by Name

1. When the idle screen displays, press the **Name** soft key.
2. Press the **Select** soft key when **Search** highlights. You are asked to enter a name.
3. Enter the first few letters of the name that you want to find.

   The Phonebook entries are listed, starting with the first entry matching your input.

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4.

To	Press the
view the highlighted entry	**View** soft key.
select a different entry	Up or Down key until the entry highlights.
look for a name starting with a different letter	key labeled with the letter you want.

5. Once you have found the entry, press the key to dial the number, or press the **Options** soft key to access the Phonebook entry options; for further details, see page 34.

Searching for a Number by Caller Group

1. When the idle screen displays, press the **Name** soft key.
2. Scroll to **Group Search** by pressing the Up or Down key and press the **Select** soft key. You are asked to enter a group name.
3. Enter the first few letters of the group name that you want to find.

   The caller groups are listed, starting with the first group matching your input.
4. If necessary, scroll to a group by pressing the Up or Down key and press the **View** soft key.

   The Phonebook entries in the caller group are listed.

5.

To	Press the
view the highlighted entry	**View** soft key.
select a different entry	Up or Down key until the entry you want highlights.

6. Once you have found the entry, press the key to dial the number, or press the **Options** soft key to access the Phonebook entry options; for further details, see page 34.

Editing a Caller Group

1. When the idle screen displays, press the **Name** soft key.
2. Scroll to **Group Edit** by pressing the Up or Down key and press the **Select** soft key.
3. Scroll through the group list by pressing the Up or Down key.
4. When the group you want highlights, press the Options soft key.
5. Select each option and change the settings, as required. The following options are available:
   - **Call Ring Tone**: allows you to set a ring tone to be used when you receive a voice call from a person in the group.
   - **SMS Tone**: allows you to set a ring tone to be used when you receive a text message from a person in the group.

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- **Graphic**: allows you to set a graphic icon to be displayed when you receive a voice call from a person in the group.
- **Group Name**: allows you to assign a name to the group. For further details about how to enter characters, see page 42.

6. When you are finished, press the i/C or ⏻ key.

Speed-dialing

Once you have stored phone numbers in the SIM card, you can set up to eight speed-dial entries and then dial them easily whenever you want, simply by pressing the associated number key.

Setting Up Speed-dial Entries

1. When the idle screen displays, press the **Name** soft key.
2. Scroll to **Speed Dial** by pressing the Up or Down key and press the **Select** soft key.
3. Select the key to which you wish to assign the speed-dialing number, from the **2** to **9** keys, and press the **OK** soft key.

   Note: Memory location 1 is reserved for your Voice Mail server number.

   If you have already assigned a number to the key, the **Options** soft key replaces the **OK** soft key. Go to step 6.

4. Select a Phonebook entry from the list and press the **View** soft key.
5. Select a number, if the entry has more than one number by pressing the Up or Down key and press the **Select** soft key.
6. Once you have assigned a number to the key, you can use the following options by pressing the **Options** soft key:
   - **Change**: allows you to assign a different number to the key.
   - **Delete**: allows you to clear the setting so that no number is assigned to the key.
   - **Delete All**: allows you to clear the settings for all keys so that no numbers are assigned to any of the keys.
   - **Number**: allows you to view the number assigned to the key.
7. When you are finished, press the i/C or ⏻ key.

Speed-dialing from Phonebook

To speed-dial the numbers assigned to keys, **2** to **9**, press and hold the appropriate key.

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Deleting All of the Phonebook Entries

You can delete all of entries in the selected memory or both memories.

1. When the idle screen displays, press the **Name** soft key.
2. Scroll to **Delete All** by pressing the Up or Down key and press the **Select** soft key.
3. To place a check mark on the memory you want to empty, **All**, **SIM** or **Phone**, press the **Mark** soft key.

   You can remove the check mark by pressing the **Unmark** soft key.
4. When you are finished marking, press the **Delete** soft key to delete the entries in the selected memory.
5. Enter the phone password and press the **OK** soft key.

   Note: The password is preset to "00000000" at the factory. To change it, see page 102.
6. When the confirming message appears, press the **Yes** soft key.
7. When you are finished, press the *i*/C or ⏻ key.

Checking the Memory Status

You can check how many names and numbers are stored in Phonebook; SIM card and phone memories. You can also see the capacity of both memories.

1. When the idle screen displays, press the **Name** soft key.
2. Select the **Memory Status** option by pressing the Up or Down key and press the **Select** soft key.
3. Press the Up or Down key to view the number of existing and remaining entries available in the card and phone's memory.
4. When you are finished, press the *i*/C or ⏻ key.

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Entering Text

When using your phone, you will often need to enter text, such as when storing a name in Phonebook, creating your personal greeting or scheduling events on your calendar. You can enter alphanumeric characters by using your phone's keypad.

Your phone has the following text input modes:

- **T9 mode**

  This mode allows you to enter words with only one keystroke per letter. Each key on the keypad has more than one letter; for example, when you press the **5** key once, J, K or L displays. T9 mode automatically compares your keystrokes with an internal linguistic dictionary to determine the correct word, thus requiring far fewer keystrokes than the traditional Alphabet mode.

- **Alphabet mode**

  These modes allow you to enter letters by pressing the key labeled with the letter you want to enter once, twice, three or four times until it displays.

- **Number mode**

  This mode allows you to enter numbers.

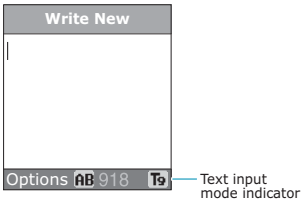
- **Symbol mode**

  This mode allows you to enter various symbols and special characters.

Changing the Text Input Mode

When you are in a field that allows characters to be entered, you will notice the text input mode indicator on the display.

Example: Writing a text message



To select	Press the right soft key until
T9 mode	T9 displays. See page 44.
Alphabet mode	A displays. See page 46.
Number mode	1 displays. See page 47.
Symbol mode	the symbol list displays. See page 48.

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Using T9 Mode

T9 is a predictive text input mode that allows you to key in any character using single keystrokes. This text input mode is based on a built-in dictionary.

To enter a word in T9 mode:

1. When you are in T9 mode, start entering a word by pressing the **2** to **9** keys. Press each key only once for each letter.

   Example: To enter "HELLO" in T9 mode, press the **4**, **3**, **5**, **5** and **6** keys.

   The word that you are typing appears on the display. It may change with each key that you press.

2. Enter the whole word before editing or deleting the keystrokes.

3. When the word displays correctly, go to step 4.

   If not, press the **0**, Up or Down key repeatedly to display alternative word choices for the keys that you have pressed.

   Example: Both "OF" and "ME" have the sequence **6** and **3**. The phone displays the most commonly used choice first.

4. Put a space by pressing the # key and start entering the next word.

To add a new word into the T9 dictionary:

1. After pressing the keys corresponding to the word you want to add, press the **0** or Down key to display the alternative words.

2. When you press the **0** or Down key at the last alternative word, the display shows **Add** on the bottom line. Press the **Add** soft key.

3. If necessary, clear the word using the **C** key and enter the word you want to add using Alphabet mode. See page 46.

4. Press the **OK** soft key.

   The word is added to the T9 dictionary and becomes the first word for the associated keypress.

- To enter full stops, hyphens or apostrophes, press the **1** key. T9 mode applies grammar rules to ensure that the correct punctuation is used.

  Example: The **1** key is used twice to display two punctuation marks:

- To shift the case in T9 mode, use the * key. There are three cases; Lower case (ab), Initial Capital (Ab) and Capital lock (AB).
- You can move the cursor by using the Left and Right keys. To delete letters, press the C key. Press and hold the C key to clear the display.

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Using Alphabet Mode

Use the **1** to **0** keys to enter your text.

1. Press the keys labeled with the required letter:
   - Once for the first letter
   - Twice for the second letter
   - And so on
2. Select the other letters in the same way.

Note: The cursor moves to the right when you press a different key. When entering the same letter twice or a different letter on the same key, just wait for a few seconds for the cursor to move to the right automatically, and then select the next letter.

Refer to the table below for further details about the characters available.

Key	Characters in the Order Displayed	
	Upper Case	Lower Case
1	Space . 1 ! ? & ¡ ¿ §	. @ % _ £ $ ¥ ¤ §
2	A B C 2 Ä Å Æ Ç Γ	a b c 2 à ä åæ Γ
3	D E F 3 É Δ Φ	d e f 3 è é Φ
4	G H I 4 Θ Ψ	g h i 4 ì Ψ
5	J K L 5 Λ	j k l 5 Λ
6	M N O 6 Ñ Ø Ö ö	m n o 6 ñ ø ò ö
7	P Q R S 7 Π Σ Ξ	p q r s 7 ß Σ Ξ
8	T U V 8 Ü ü	t u v 8 ù ü
9	W X Y Z 9 Ω	w x y z 9 Ω
0	0 * # , ; ' " =	/ : - + ( ) < >

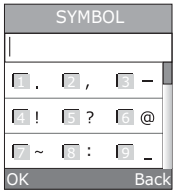
- To insert a space, press the # key.
- To shift the case in Alphabet mode, use the * key. There are three cases; Lower case (ab), Initial Capital (Ab) and Capital lock (AB).
- You can move the cursor by using the Left and Right keys. To delete letters, press the C key. Press and hold the C key to clear the display.

Using Number Mode

Number mode enables you to enter numbers into a text message. Press the keys corresponding to the digits you want to enter.

Using Symbol Mode

Symbol mode enables you to insert symbols into a text message.



To select	Press the
select a symbol	corresponding number key.
display more symbols	Up or Down key.
clear the symbol(s)	**C** key. When the input field is empty, this key returns the screen to the previous mode.
insert the symbol(s) into your message	**OK** soft key.
cancel your input and return to the previous mode	**Back** soft key.

Options During a Call

Your phone provides a number of control functions that you can use during a call.

Putting a Call on Hold

You can place the current call on hold whenever you want. You can make another call while you have a call in progress if your network supports this service.

To place a call on hold, simply press the **Hold** soft key. You can reactivate the call whenever you want, by pressing the **Unhold** soft key.

To make a call while you have a call in progress:

1. Enter the phone number that you wish to dial or look it up in Phonebook.
2. Press the key to dial the second call.
   The first call is automatically put on hold.

Or alternatively,

1. Put the current call on hold by pressing the **Hold** soft key.
2. Make the second call in the normal way.

When you have an active call and a call on hold, you may switch between the two calls, changing the one on hold to active and placing the other on hold.

To switch between the two calls, simply press the **Swap** soft key.

The current call is placed on hold and the call on hold is reactivated so that you can continue conversing with the other person.

When you want to finish, end each call normally by pressing the key.

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Switching the Microphone Off (Mute)

You can temporarily switch your phone's microphone off so that the other person on the phone cannot hear you.

Example: You wish to say something to another person in the room but do not want the person on the phone to hear you.

To switch the microphone off temporarily:

1. Press the **Options** soft key.
2. If necessary, press the Down key to highlight the **Mute** option.
3. Press the **OK** soft key.

   The other person can no longer hear you.

To switch the microphone back on:

1. Press the **Options** soft key.
2. If necessary, press the Down key to highlight the **Unmute** option.
3. Press the **OK** soft key.

   The other person can hear you again.

Muting or Sending Key Tones

These options allow you to turn the key tones off or on. If the **Mute Keys** option is selected, your phone does not transmit the DTMF (Dual Tone Multi-Frequency) tones of the keys. It allows you to press keys without hearing annoying key tones during a call.

Note: To communicate with answering machines or computerized telephone systems, the **Send Keys** option must be selected.

Searching for a Number in Phonebook

You can search for a number in Phonebook during a call.

1. Press the **Options** soft key.
2. Press the Down key to highlight the **Phonebook** option.
3. Press the **OK** soft key.

   The Phonebook entries are listed.
4. Enter the name that you wish to find.

   If you enter the first few letters of the name, the Phonebook entries are listed, starting with the first entry matching your input.
5. To view the highlighted entry, press the **View** soft key.

For further details about the Phonebook feature, see page 31.

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Using the Message Service

If you receive an SMS (Short Message Service) message during a call, the Message icon (✉) flashes on the display. The **SMS Service** option enables you to use this feature.

For further details about the Message feature, see page 62.

Call Waiting

You can answer an incoming call while you have a call in progress, if your network supports this service and you have set the **Call Waiting** menu (**Menu 7.3**) to **Activate**; see page 122. You are notified of an incoming call by a call waiting tone.

To answer a call while you have a call in progress:

1. Press the key to answer the incoming call. The first call is automatically put on hold.
2. To switch between the two calls, press the **Swap** soft key.
3. To end the call on hold, press the **Options** soft key and select the **End Held Call** option.

   To end the current call, press the key.

Making a Multi-party Call

A multi-party call is a network service that allows up to six people to take part simultaneously in a multi-party or conference call.

For further details about subscribing to this service, contact your service provider.

Setting up the Multi-party Call

1. Call the first participant in the normal way.
2. Call the second participant in the normal way. The first call is automatically put on hold.
3. To join the first participant to the multi-party call, press the **Options** soft key and select the **Join** option. Press the **OK** soft key.
4. To add a new person to the multi-party call, call the person in the normal way and press the **Options** soft key. Select the **Join** option and press the **OK** soft key.

You can add incoming callers by answering the call and pressing the **Options** soft key, and selecting the **Join** option. Repeat as required.

Having a Private Conversation With One Participant

1. Press the **Options** soft key and choose the **Select One** option. Press the **OK** soft key.

   The list of call participants appears.
2. Highlight a person from the list by pressing the Up or Down key, and press the **Select** soft key or the key.

3. When the **Private** option highlights, press the **OK** soft key.

   Now you can talk privately to that person. The other participants can still converse with each other.

4. To return to the multi-party call, press the **Options** soft key and select the **Join** option. Press the **OK** soft key.

   All the multi-party call participants can now hear each other.

Dropping One Participant

1. Press the **Options** soft key and choose the **Select One** option. Press the **OK** soft key.

   The list of call participants appears.

2. Highlight a person from the list by pressing the Up or Down key, and press the **Select** soft key or the key.

3. Press the Down key to select the **Remove** option and press the **OK** soft key.

   The call ends with that participant, but you can continue to talk to the other participants.

4. When you want to end the multi-party call, press the key.

Using the Menus

The phone offers a range of functions that allow you to tailor it to your needs. These functions are arranged in menus and sub-menus.

The menus and sub-menus can be accessed by scrolling using the Navigation keys or by using the shortcuts.

Accessing a Menu Function by Scrolling

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Scroll using the Up or Down key to reach a main menu, **Phone Settings** for example. Press the **Select** soft key or the Right key to enter the menu.
3. If the menu contains sub-menus, **Language** for example, you can access them by scrolling using the Up or Down key and pressing the **Select** soft key or the Right key.

   If the menu that you have selected contains further options, repeat this step.

4.

To	Press the
scroll through the menus	Up or Down key, or use the Volume keys.
confirm the chosen setting	**Select** soft key or the Right key.
return to the previous menu level	soft key or the Left key.
exit the menu without changing the settings	key.

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Using Shortcuts

The menu items, such as the menu, sub-menus and options, are numbered and can be accessed quickly by using their shortcut numbers. The shortcut number is shown at the bottom right next to the soft key on the display. Simply press the **Menu** soft key and enter the number of the menu you want.

Note: The numbers assigned to each menu option are indicated on the list on page 57. They may not match the menu number on the phone, depending on the services supported by your SIM card.

Example: Accessing the **Language** option.

1. Press the **Menu** soft key.
2. Press the **5** key for **Phone Settings**.
3. Press the **4** key for **Language**.

   The languages available display.

List of Menu Functions

The following list shows the menu structure available and indicates the number assigned to each option and the page where you can find a description of each feature.

Note: If you use a SIM AT card that provides additional services, the **SIM AT** menu displays when you press the **Menu** soft key to enter Menu mode. For further details, see your SIM card instructions.

1. Text Messages **(see page 62)**

- 1.1 Inbox
- 1.2 Outbox
- 1.3 Write New
- 1.4 Templates
- 1.5 Settings
  - 1.5.1 Setting 1*
  - 1.5.2 Setting 2*
  - 1.5.3 Common Setting
- 1.6 Delete All
- 1.7 Memory Status
  - 1.7.1 SIM Memory
  - 1.7.2 PHONE Memory
  - 1.7.3 CB Memory
- 1.8 Voice Mail
  - 1.8.1 Call Voice Mail
  - 1.8.2 Voice Server Number
- 1.9 Broadcast
  - 1.9.1 Read
  - 1.9.2 Receive
  - 1.9.3 Channel List
  - 1.9.4 Language

* Shows only if supported by your SIM card.

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2. Multimedia Messages (see page 74)

- 2.1 Inbox
- 2.2 Outbox
- 2.3 Draft
- 2.4 Write New
- 2.5 Templates
- 2.6 Delete All
- 2.7 Memory Status
- 2.8 Setup
- 2.9 MMS Profile

3. Call Records (see page 87)

- 3.1 Missed Calls
- 3.2 Received Calls
- 3.3 Dialled Calls
- 3.4 Delete All
- 3.5 Call Time
  - 3.5.1 Last Call Time
  - 3.5.2 Total Sent
  - 3.5.3 Total Received
  - 3.5.4 Reset Timers
- 3.6 Call Cost*
  - 3.6.1 Last Call Cost
  - 3.6.2 Total Cost
  - 3.6.3 Max Cost
  - 3.6.4 Reset Counters
  - 3.6.5 Set Max Cost
  - 3.6.6 Price/Unit

4. Sound Settings (see page 92)

- 4.1 Ring Tone
- 4.2 Ring Volume
- 4.3 Alert Type
- 4.4 Keypad Tone
- 4.5 Message Tone
  - 4.5.1 SMS Tone
  - 4.5.2 SMS-CB Tone
- 4.6 Power On/Off
- 4.7 Extra Tones

* Shows only if supported by your SIM card.

5. Phone Settings (see page 96)

- 5.1 Display Settings
  - 5.1.1 Wallpaper
  - 5.1.2 Menu Style
  - 5.1.3 Auto Key Lock
  - 5.1.4 Brightness
  - 5.1.5 Back Light
  - 5.1.6 Auto Light
  - 5.1.7 Service Light
  - 5.1.8 Graphic Logo
- 5.2 Greeting Message
- 5.3 Own Number
- 5.4 Language
- 5.5 Security
  - 5.5.1 PIN Check
  - 5.5.2 Change PIN
  - 5.5.3 Phone Lock
  - 5.5.4 Change Password
  - 5.5.5 SIM Lock
  - 5.5.6 FDN Mode*
  - 5.5.7 Change PIN2*
- 5.6 Extra Settings
- 5.7 Short Cut
  - 5.7.1 Key Up
  - 5.7.2 Key Down
  - 5.7.3 Key Right
  - 5.7.4 Key Left
- 5.8 Reset Settings

6. Organizer (see page 106)

- 6.1 Alarm
  - 6.1.1 Once Alarm
  - 6.1.2 Daily Alarm
  - 6.1.3 Morning Call
  - 6.1.4 Remove Alarm
  - 6.1.5 Autopower
- 6.2 Calendar

* Shows only if supported by your SIM card.

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6. Organizer (continued)

- 6.3 Time & Date
  - 6.3.1 Set Time
  - 6.3.2 Set Date
  - 6.3.3 World Time
  - 6.3.4 Time Format
- 6.4 Calculator
- 6.5 To Do List
- 6.6 Voice Memo
- 6.7 Currency Exchange

7. Network Services (see page 118)

- 7.1 Call Diverting
  - 7.1.1 Divert Always
  - 7.1.2 Busy
  - 7.1.3 No Reply
  - 7.1.4 Unreachable
  - 7.1.5 Cancel All
- 7.2 Call Barring
  - 9.2.1 All Outgoing
  - 9.2.2 International
  - 9.2.3 International Except to Home
  - 9.2.4 All Incoming
  - 9.2.5 Incoming While Abroad
  - 9.2.6 Cancel All
  - 9.2.7 Change Barring Password
- 7.3 Call Waiting
- 7.4 Network Selection
- 7.5 Caller ID
- 7.6 Closed User Group

Using the Menus

8. Funbox (see page 126)

- 8.1 WAP Browser
  - 8.1.1 Home
  - 8.1.2 Favorite
  - 8.1.3 http://
  - 8.1.4 Settings
  - 8.1.5 Clear Cache
  - 8.1.6 Push Message
- 8.2 Games
- 8.3 Sounds
- 8.4 Images
- 8.5 Delete All
- 8.6 Memory Status

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Text Messages

Short Message Service (SMS) allows you to send and receive short text messages to and from other GSM mobile phones. In addition, your phone supports the Enhanced Messaging Service (EMS), which enables you to include simple pictures, melodies, and animated images in your messages. To use this feature, you must subscribe to your service provider's message service.

When the Message icon ( ) appears, you have received new text messages. If the memory is full, an error message displays and you cannot receive any new messages. Use the **Delete** option in each message box to delete obsolete ones.

When you receive a new message in Key Lock mode, you can't view it without unlocking the keypad. Press the **Unlock** soft key and the * key to unlock.

Inbox *(Menu 1.1)*

This message box is used to store the messages that you have received.

When you enter this menu, the list of messages in the box displays with the senders' phone numbers or names, if available in your Phonebook.

1. Select a message from the list and press the **View** soft key to read the message contents.
2. To scroll through the contents, press the Up or Down key.
3. To scroll to the previous or next message, press the * or # key.

While reading a message, you can choose the following options by pressing the **Options** soft key:

Delete: allows you to delete the message.

Forward: allows you to forward the message. For further details about how to send a message, see page 65.

Text Reply: allows you to reply to the sender by sending a text message.

Call Back: allows you to call the sender back.

Cut Address: allows you to extract the destination number and URL, e-mail addresses or phone numbers from the message text.

Move to Phone: allows you to move the message from the SIM card to the phone's memory. This option is only available when you select a message stored in the SIM card.

Move to SIM: allows you to move the message from the phone's memory to the SIM card. This option is only available when you select a message stored in the phone's memory.

Select Objects: allows you to save media objects, such as sounds or images, from the message into your phone. You can use the objects when writing a message. For details, see page 67.

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Outbox *(Menu 1.2)*

This message box is used to store the messages that you have already sent or will send.

When you enter this menu, the list of messages in the box displays with the recipients' phone numbers or names, if available in your Phonebook.

1. Select a message from the list and press the **View** soft key to read the message contents.
2. To scroll through the contents, press the Up or Down key.
3. To scroll to the previous or next message, press the * or # key.

While reading a message, you can choose the following options by pressing the **Options** soft key:

Delete: allows you to delete the message.

Send: allows you to resend the message. For further details about how to send a message, see page 65.

Cut Address: allows you to extract the destination number and URL, e-mail addresses or phone numbers from the message text.

Move to Phone: allows you to move the message from the SIM card to the phone's memory. This option is only available when you select a message stored in the SIM card.

Move to SIM: allows you to move the message from the phone's memory to the SIM card. This option is only available when you select a message stored in the phone's memory.

Select Objects: allows you to save media objects, such as sounds or images, from the message into your phone. You can use the objects when writing a message. For details, see page 67.

Write New *(Menu 1.3)*

In this menu option, you can write and send a text message.

Note: You can enter up to 918 alphanumeric characters for your message. When you add media objects to the message, the number of characters you can enter decreases.

Creating a Simple Text Message

1. Create your message.

   Note: For further details about entering characters, see page 42.

2. When you finish entering the message, press the **Options** soft key. The following options are available:
   - **Send Only**: allows you to send the message. The message is deleted after sending.
   - **Save and Send**: allows you to save a copy of the message and then send the message. You can read the message in your Outbox.
   - **Save Only**: allows you to save the message so that it can be sent later. You can read the message in your Outbox.
   - For further details about **Text Formatting**, **Add Objects**, **Add Templates**, **Add Phonebook**, **Add Bookmark** and **Language** options, see page 66.

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3. Select **Send Only** or **Save and Send**, and press the **Select** soft key.

   If you want to just save the message, select **Save Only**. After saving the message, the phone returns to the **Text Messages** menu.

4. If you select a save option, choose the memory where you want to save the message and press the **OK** soft key.

5. Enter a destination number and press the **OK** soft key.

   The message is sent.

Note: When the phone fails to send the message, it asks you if you want to retry. Press the **OK** soft key to confirm. Otherwise, press the **Exit** soft key.

Creating a Message Using the Options

1. Create a message.

2. Press the **Options** soft key.

3. Select one of the following options by using the Up and Down keys and pressing the **Select** soft key:

   - **Text Formatting**: allows you to format the style of the text.

     For the **Size** attribute, **Normal**, **Large** and **Small** sizes are available. For the **Underline** and **Strikethrough** attributes, select **On** or **Off**.

     The attributes can be combined.

   - **Add Objects**: allows you to add the required sound, melody, picture or animated image to your message. Select the category of the object to be added. In each category, you can select from the various factory-set items or choose an item received from other sources, such as the Internet or other phones.
   - **Add Templates**: allows you to apply one of the preset message templates to the text. Select one of five messages stored in the **Templates** menu (**Menu 1.4**). For further details, see page 68.
   - **Add Phonebook**: allows you to add a Phonebook entry in your message. Select one from the list.
   - **Add Bookmark**: allows you to add a web page's address stored in your Favorite list (**Menu 8.1.2**). Select one from the list.
   - **Language**: allows you to change the language to be used in T9 mode. Select the language to be used.

4. Complete the message, and send or save it by following the procedure from step 2 on page 65.

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Templates *(Menu 1.4)*

Using this menu, you can preset up to nine messages that you use most frequently.

Scroll through the template list using the Up and Down keys. When the message template you want highlights, press the **Options** soft key.

The following options are available:

Edit: allows you to write a new message or edit the message.

Note: For further details about how to enter characters, see page 42.

Send Message: allows you to recall the message. Once you have completed the message, you can send, save and send, or simply save it. For further details about how to send a message, see page 65.

Delete: allows you to delete the message. You are asked to confirm the deletion by pressing the **Yes** soft key.

Settings *(Menu 1.5)*

In this menu, you can set up default message information. A setting group is a collection of settings required to send messages. The number of setting groups available depends on the capacity of your SIM card.

Note: The last setting you accessed is automatically activated for sending messages.

Setting x (where **x** is the setting group number): each group has its own sub-menu.

Service Center: allows you to store or change the number of your message center, which is required when sending messages. You must obtain this number from your service provider.

Default Destination: allows you to store the default destination number. The number will automatically display on the Destination screen when you create a message.

Default Type: allows you to set the default message type to **Text**, **Fax**, **Email** or **Paging**. The network can convert the messages into the selected format.

Default Validity: allows you to set the length of time your text messages are stored at the message center while attempts are made to deliver them.

Setting Name: allows you to give a name to the setting group currently being defined.

Common Setting: The following options are available:

Reply Path: allows the recipient of your SMS message to send you a reply message through your message center, if your network supports this service.

Delivery Reports: allows you to activate or deactivate the report function. When this function is activated, the network informs you whether or not your message has been delivered.

Bearer Selection: allows you to choose either **GSM** or **GPRS**, depending on your network.

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Delete All *(Menu 1.6)*

This menu allows you to delete all of the text messages in each message box. You can also delete all of your messages at one time.

To	Press the
select a message box to clear	Up or Down key. To delete all of your messages, select **All Messages**.
place a check mark	**Mark** soft key.
remove the check mark	**Unmark** soft key.
delete the marked messages	**Delete** soft key.

When a confirming message displays, press the **Yes** soft key to confirm.

Memory Status *(Menu 1.7)*

This menu option shows how many messages are currently stored in the SIM, phone and CB (cell broadcast) memories.

Voice Mail *(Menu 1.8)*

This menu provides you with a way of accessing your voice mailbox, if your network supports this service.

The following options are available:

Call Voice Mail: before using the Voice Mail feature, you must enter the voice server number obtained from your service provider; see **Menu 1.8.2**. You can then select this option and press the **OK** soft key to listen to your messages.

You can quickly connect to the voice server by pressing and holding the **1** key in Idle mode.

Voice Server Number: allows you to change the voice mail server number, if necessary.

To	Press the
enter the server number	corresponding numeric keys.
correct a digit	⇐/C key.
move the cursor to the left/right without clearing the digit	Left or Right key.

Note: Voice Mail is a network feature. Please contact your service provider for further details.

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Broadcast *(Menu 1.9)*

This network service allows you to receive text messages on various topics, such as the weather or traffic. Messages display as soon as they are received, provided that:

- the phone is in Idle mode.
- the **Receive** option is set to **Enable**.
- the message channel is currently active on the channel list.

The following options are available:

Read: lets you view the received message. **Volatile** displays the messages from the network, but loses its contents as soon as the phone is switched off. Scroll through the message by using the Up and Down keys. While reading a message, press the **Save** soft key to store the message in the **Archive** box for later retrieval.

Receive: allows you to enable or disable the reception of broadcast messages.

Channel List: allows you to indicate the channels from which you wish to receive broadcast messages. The following options are available:

Select: use to enable or disable channels on the list by marking or unmarking them respectively. A check mark displays in front of each selected channel.

Add Channel: use to enter the ID and title for a new channel.

Delete: use to remove a channel from the list.

Edit: use to change the ID and title of an existing channel.

Language: allows you to select your preferred language to display cell broadcast messages.

Please contact your service provider for further details.

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Multimedia Messages

Multimedia Message Service (MMS) is a messaging service very similar to Short Message Service (SMS). It provides automatic and immediate delivery of personal multimedia messages from phone to phone or from phone to e-mail.

In addition to the familiar text content of text messages, multimedia messages can contain images, graphics, voice and audio clips. An MMS message is a multimedia presentation in a single entry. It is not a text file with attachments.

Using the MMS feature, your phone can receive and send multimedia messages that contain multimedia files, such as sounds and images you downloaded from the Internet and voice memos you recorded. This function is available only if it is supported by your service provider. Only phones that offer multimedia message features can receive and display multimedia messages.

Inbox *(Menu 2.1)*

Viewing a Message When You Receive it

When a new multimedia message comes in, the display shows the text notification along with the sender's number.

1. Press the **View** soft key to view brief information about the message, such as the sender's number, the message size and the subject.

   If you want to view the message later in the Inbox, press the **Exit** soft key.

2. To scroll through the message information, press the Up or Down key.

3. Press the **Options** soft key to access the following options:

   - **Retrieve**: retrieves the message from the MMS server.
   - **Delete**: deletes the message.
   - **More Information**: shows you detailed information about the message.

4. To read the message, press the **Select** soft key when **Retrieve** is highlighted.

   Your phone retrieves the message contents from the server and displays it.

5. To scroll through the message, press the Up or Down key.

6. When you are finished, press the key.

Viewing a Received Message in the Inbox

When you access the **Inbox** menu (**Menu 2.1**), the list of multimedia messages you received displays with the senders' phone numbers, if they are available in your Phonebook, or subjects. The icons on the left tells you the status of the messages.

- : Messages you already read.
- : Messages you haven't read yet.

1. Select a message and press the **Select** soft key.

2. To scroll through the message, press the Up or Down key.

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3. Press the **OK** soft key on the message presentation screen.

While viewing a message, you can choose the Message options by pressing the **Options** soft key.

If you are viewing a new message, the options are the same as when you view a message as soon as you receive it. See page 75.

When you are reviewing a message retrieved from the MMS server, the following options are available:

Delete: deletes the message.

Reply: allows you to reply to the sender by sending a text or picture message.

Callback: allows you to call the sender back.

Cut Address: allows you to extract the sender's number or e-mail address and URL, e-mail addresses or phone numbers from the message text.

Forward: allows you to forward the message to another person.

Save Picture: allows you to save an image from the message into your phone. Images are stored in the **Images** menu (**Menu 8.4**).

Save Sound: allows you to save a sound from the message into the **Sounds** menu (**Menu 8.3**).

Information: shows you information about the message, such as the subject, sender's address, message size, status and priority.

Outbox *(Menu 2.2)*

When you access this menu option, the list of the picture messages you sent or saved displays. The icons on the left tells you the status of the messages.

- : Messages currently being sent
- : Messages sent
- : Messages your phone couldn't send
- : Messages to be send
- : Messages deferred

1. Select a message and press the **Select** soft key.
2. To scroll through the message, press the Up or Down key.
3. Press the **OK** soft key on the message presentation screen.

While viewing a message, you can choose the following options by pressing the **Options** soft key:

Delete: deletes the message.

Cut Address: allows you to extract the destination numbers or e-mail addresses and URL, e-mail addresses or phone numbers from the message text.

Send: allows you to resend the message.

Edit Message: allows you to change the message contents, sound, picture or text.

Information: shows you information about the message, such as the subject, recipient's address, message size, status and priority.

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Draft *(Menu 2.3)*

After creating a picture message, you can store it in this message box for later sending. Or, if you are interrupted while making a message by an incoming call or message, your message is automatically saved in this box.

For further details about viewing a message, see "Outbox" on page 77.

Write New *(Menu 2.4)*

This menu option allows you to create a new picture message and then send it to multiple destinations.

Creating and Sending a Picture Message

1. Enter the subject of your message and press the **OK** soft key.

   For further details about entering characters, see page 42.

2. When **Add Here** highlights, press the **Options** soft key and add the message contents using one of the following options:

   - **Add Text**: Enter the message text and press the **OK** soft key.
   - **Add Picture**: allows you to add a picture stored in the **Images** (**Menu 8.4**). Choose a picture and press the **Select** soft key. You may not be able to add some downloaded images if they are not in the correct format.
   - **Add Sound**: allows you to add a sound. You can record a new voice memo or use a sound stored in the **Sounds** menu (**Menu 8.3**). You may not be able to add some downloaded images if they are not in the correct format.
   - **Send**: allows you to send the message. Use this option when you finish creating the message. This option is activated after you add a content to the message.
   - **Save**: saves the message in the **Draft** (**Menu 2.3**) or **Templates** (**Menu 2.5**) box for later use. This option is activated after you add a content to the message.
   - **Settings**: allows you to change the message settings. For further details about each setting option, see page 83. After changing, you need to press the soft key or the i/C key to go to back to the options screen.
   - **Add Destination**: allows you to enter destination addresses. See steps 7 to 10. After. adding, you need to press the soft key or the i/C key to go to back to the options screen.
   - **Preview**: shows your message as it will display on the recipient's phone.

   Note: You can use the adding options only one time for one page.

3. The added content displays.

4. Repeat steps 2 and 3 until you finish creating your message.

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5. If you want to change the added items, press the Up or Down key to highlight one and press the **Options** soft key. The following options are available:
   - **Edit Text**/**Picture**/**Sound**: allows you to change the text or replace the image or sound with another one.
   - **Add Page**: allows you to add more pages. After adding pages, you can move to each page using the Left or Right key on the message screen.
   - **Delete**: deletes the item from your message.
   - **Duration**: allows you to set how long one page displays. After a specified length of time, the display scrolls to the next page.
   - **Send**: allows you to send the message.
   - **Save**: saves the message in the **Draft** (**Menu 2.3**) or **Templates** (**Menu 2.5**) box for later use.
   - **Settings**: allows you to change the message settings. For further details about each setting option, see page 83.
   - **Add Destination**: allows you to enter destination addresses. See steps 7 to 10.
   - **Preview**: shows your message as it will display on the recipient's phone.

   Note: The options available are different depending on whether the item selected on the message screen is text, an image or sound.

6. When you are finished creating the message, choose **Send** from the options and press the **Select** soft key.

7. Select a destination type, **To**, **Cc** or **Bcc**, to enter a number or address and press the **Select** soft key.
8. Choose one of the following options and press the **Select** soft key:
   - **Phone Number**: allows you to enter the phone number you want.
   - **E-Mail**: allows you to enter the e-mail address of the recipient to send the message as an e-mail.
   - **Phone Book**: allows you to recall a number from your Phonebook.
9. Enter a number or an e-mail address, or select a number from Phonebook.

   Note: When entering a number, you can also select a number from Phonebook using the **Name** soft key.

10. When the correct number or address displays, press the **OK** soft key.
11. To send the message to multiple destinations, select **Add Destination** and press the **Select** soft key.Repeat from step 8.

    If you want to edit the destinations, select one and press the **Select** soft key. You can change or delete it.

12. When you are finished adding the numbers or addresses to the destination type, press the **C** key or the ↩ soft key.

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13. To enter additional numbers or addresses, repeat steps 7 through 12.

    You can enter up to 10 destinations each for **To**, **CC** and **Bcc**.

14. When you are finished entering the destinations, select **Send Message** and press the **Select** soft key.

    Your phone sends the message.

Templates *(Menu 2.5)*

This menu stores messages you saved as templates so that you can use them to make new messages.

1. Scroll through the template list using the Up or Down keys.
2. When the message template you want highlights, press the **Select** soft key.
3. Press the **OK** soft key to use the following options, or the display automatically shows the options after a specified time:
   - **Edit Message**: allows you to send a message using the template. For further details about how to send a message, see page 78.
   - **Delete**: allows you to delete the message. You are asked to confirm the deletion by pressing the **Yes** soft key.
4. Press the key to return to Idle mode.

Delete All *(Menu 2.6)*

This menu allows you to delete all of the picture messages in each message box, Inbox, Outbox, Draft and Templates.

To	Press the
select a message box to clear	Up or Down key. To delete all of your messages, select **All Messages**.
place a check mark	**Mark** soft key.
remove a check mark	**Unmark** soft key.
delete the marked messages	**Delete** soft key.

When a confirming message displays, press the **Yes** soft key to confirm.

Memory Status *(Menu 2.7)*

You can check the amount of the memory being used and the memory remaining for multimedia messages.

Each time you press the **Next** soft key, the display shows the total space, including the used and free space. It also shows how much space is currently occupied by each message box.

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Setup *(Menu 2.8)*

You can change the default settings for sending or receiving multimedia messages.

The following options are available:

Delivery Report: when this option is enabled, the network informs you whether or not your message has been delivered.

Read Reply: when this option is enabled, your phone sends a request for a reply along with your message to the recipient.

Auto Download: you can set whether or not your phone retrieves new incoming messages from the MMS server without notifications. When this option is enabled, the phone automatically retrieves new messages from the server. As soon as you receive a message you can use more options while you are reading it. See page 76 for details about the options.

Message Acceptance: you can specify the category of messages you want to receive.

Hide ID: when this option is enabled, your phone number does not display on the recipient's phone.

Expiry Date: you can select the length of time your messages are stored at the message center after they are sent.

Delivery Time: you can set the delay time before the phone sends your messages.

Priority: you can select the priority level of your messages.

Report Allowed: when this option is disabled, the sender of an incoming message does not receive a delivery report from the network.

Page Duration: you can set how long one page of the received message displays on the message presentation screen. After a specified time, the display automatically scrolls to the next page.

MMS Profile *(Menu 2.9)*

In this menu, you can configure various network settings that are required when you send or receive multimedia messages.

Notes:
- The last profile you accessed is automatically activated for sending messages.
- In most cases, you don't need to change these settings. If you change them without the service provider's instruction, the MMS feature may not work properly.

The following options are available for each profile:

Profile Name: enter a name that you wish to assign to the MMS server.

Connection URL: enter the address of your MMS server.

Security: select a data transmission mode. Choose **Secure** to protect your data against unauthorized access; otherwise, choose **Non-Secure**.

IP Address: enter the gateway address required to connect to the MMS server.

User Name: enter the user ID required to connect to the MMS server.

Password: enter the password required to connect to the MMS server.

APN: enter the access point name used for the address of the MMS server.

For further details, contact your service provider.

Call Records

In this menu, you can view the:

- calls you missed, received or dialed.
- length of your calls.
- cost of your calls.

Note: You can access the numbers in the three types of call records by pressing the key in Idle mode.

Missed Calls *(Menu 3.1)*

This menu lets you view the last 20 numbers of the calls you received, but did not answer.

The number and name, if available, display together with the date and time when the call was received.

By pressing the **Options** soft key, you can:

- delete the call from the list.
- edit the number, if available, and dial it or save it in Phonebook.

You can also dial the number by pressing the key.

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Received Calls *(Menu 3.2)*

This menu lets you view the last 20 numbers of the calls you received.

The number and name, if available, display together with the date and time when the call was received.

By pressing the **Options** soft key, you can:

- delete the call from the list.
- edit the number, if available, and dial it or save it in Phonebook.

You can also dial the number by pressing the key.

Dialled Calls *(Menu 3.3)*

This menu lets you view the last 20 numbers you dialed.

The number and name, if available, display together with the date and time when the call was made.

By pressing the **Options** soft key, you can:

- delete the call from the list.
- edit the number and dial it or save it in Phonebook.

You can also dial the number by pressing the key.

Delete All *(Menu 3.4)*

This menu allows you to delete all of the records in each call record. You can also delete all of your call records at one time.

To	Press the
select a call record to clear	Up or Down key. To delete all of your call records, select **All Calls**.
place a check mark	**Mark** soft key.
remove the check mark	**Unmark** soft key.
delete the marked records	**Delete** soft key.

When a confirming message displays, press the **Yes** soft key to confirm.

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Call Time *(Menu 3.5)*

This menu lets you view the timers for calls you made and received.

Note: The actual time invoiced for calls by your service provider may vary, depending on network features, rounding-off for billing purposes and so on.

The following options are available:

Last Call Time: length of the last call.

Total Sent: total length of all calls you made since the timer was last reset.

Total Received: total length of all calls you received since the timer was last reset.

Reset Timers: option used to reset the call timers. You must first enter the phone password and then press the **OK** soft key.

Note: The password is preset to "00000000." To change this password, see page 102.

Call Cost *(Menu 3.6)*

This network feature lets you view the cost of calls. This menu may not be shown depending on your SIM card.

The following options are available:

Last Call Cost: cost of the last call made.

Total Cost: total cost of all calls made since the cost counter was last reset. If the total cost exceeds the maximum cost set in the **Set Max Cost** option, you can no longer make any calls until you reset the counter.

Max Cost: maximum cost set in the **Set Max Cost** option. See below.

Reset Counters: option used to reset the cost counter. You must first enter your PIN2 (see page 177) and then press the **OK** soft key.

Set Max Cost: option used to enter the maximum cost that you authorise for your calls. You must first enter your PIN2 (see page 177) and then press the **OK** soft key.

Price/Unit: option used to set the cost of one unit; this price per unit is applied when calculating the cost of your calls. You must first enter your PIN2 (see page 177) and then press the **OK** soft key.

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Sound Settings

You can use the Sound Settings feature to customize various settings, such as the:

- ring melody, volume and type.
- sounds made when you press a key, receive a message or switch your phone on/off.
- alert tone made every minute during a call, when you make an error or when your call is connected to the system.

Note: When the phone is in Silent mode (see page 28), you cannot change the sound settings.

Ring Tone *(Menu 4.1)*

This option allows you to select a ring melody.

You can choose between many different melodies. If you have downloaded sounds from the Internet, you can use them in this menu.

Ring Volume *(Menu 4.2)*

This option allows you to adjust the ring volume to one of five levels.

Use the Up and Down keys or the Volume keys on the left side of the phone to increase or decrease the volume.

Alert Type *(Menu 4.3)*

This option allows you to specify how you are to be informed of incoming calls.

The following options are available:

Light Only: the service light flashes; the phone neither rings nor vibrates.

Melody: the phone rings using the ring melody selected in the **Ring Tone** menu (**Menu 4.1**); see page 92.

Vibration: the phone vibrates but does not ring.

Vibra+Melody: the phone first vibrates three times and then starts ringing.

Keypad Tone *(Menu 4.4)*

This option allows you to select the tone that the phone sounds when you press a key.

You can select an option from **Cool**, **Piano**, **Tone** and **Beep**. To turn the sound off, select **Off**.

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Message Tone *(Menu 4.5)*

This option allows you to select how the phone informs you that a new message has been received.

SMS Tone *(Menu 4.5.1)*

The following options are available for alerting you to new SMS messages:

Off: the phone does not use the SMS tone.

Light Only: the service light flashes.

Vibration: the phone vibrates.

Single Beep: the phone beeps once.

SMS Tonex: the phone uses one of several SMS tones.

SMS-CB Tone *(Menu 4.5.2)*

The following options are available for alerting you to new cell broadcast messages:

Off: the phone does not use the CB tone.

Light Only: the service light flashes.

Vibration: the phone vibrates.

Single Beep: the phone beeps once.

SMS-CB Tonex: the phone uses one of several CB tones.

Power On/Off *(Menu 4.6)*

This option allows you to select the melody that the phone sounds when it is switched on and off.

You can choose either **Classical** or **Cheerful**. To turn the sound off, select **Off**.

Extra Tones *(Menu 4.7)*

You can customize additional tones used for the phone.

To turn a given tone	Press the
on	**Mark** soft key. A check mark displays in front of the option.
off	**Unmark** soft key again. The check mark no longer displays.

The following options are available:

Error Tone: sets whether or not the phone informs you when you make a mistake.

Minute Minder: sets whether or not the phone beeps every minute during an outgoing call to keep you informed of the length of your call.

Connect Tone: sets your phone to beep when your call is connected to the system.

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Phone Settings

Many different features of your phone can be customized to suit your preferences. All of these features are accessed in the **Phone Settings** menu.

Display Settings *(Menu 5.1)*

In this menu, you can change the settings for the display or backlight.

Wallpaper *(Menu 5.1.1)*

This menu option allows you to change the background image or the color of the text to be displayed in Idle mode.

The following options are available:

Wallpaper List: you can select a background image to be displayed on the idle screen.

To change the background image:

1. Scroll through the list by pressing the Up or Down key.

   You have various preset images available. You can also select the blank background or any images downloaded from the Internet or received in messages.

2. Press the **Select** soft key when the image you want highlights.

3. When the image displays, press the **Select** soft key to display it on the idle screen.

Text Display: you can specify whether or not the phone displays the text, such as the date and time.

Text Color: you can select the color of the text to be displayed on the idle screen.

Menu Style *(Menu 5.1.2)*

This menu option allows you to select the menu display style. You can choose either **Bar Style** or **Page Style**.

Auto Key Lock *(Menu 5.1.3)*

This menu option allows you to set the phone to automatically lock the keys if no keys are pressed within a given period of time. This feature is useful to avoid pressing keys by mistake.

To use this feature, select the length of time the phone waits before it locks the keypad.

If you do not want to use this feature, select **Off**.

Note: You can manually lock the keypad. For further details, see page 22.

Brightness *(Menu 5.1.4)*

This menu option allows you to adjust the brightness of the display screen to see it better in different lighting conditions.

Adjust the brightness by using the Up or Down keys or the Volume keys on the left side of the phone.

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Back Light *(Menu 5.1.5)*

You can select whether or not the phone uses the backlight. A marginal increase in standby/talk time can be achieved by turning the backlight off.

Select the length of time the backlight is on. The backlight turns on when you press a key or receive a call or message and remains for the specified length of time. The display switches off after one minute.

If you do not want to use the backlight, select **Off**.

Auto Light *(Menu 5.1.6)*

Using this feature, you can specify the time for which the backlight is to be used. This feature helps you to conserve your battery power.

The following options are available:

Disable: the backlight is used according to the setting in the **Back Light** menu (**Menu 5.1.5**); see page 98.

Enable: the backlight is used only during the specified period of time. Set the time when the phone turns the light on and then turns it off, using the appropriate number keys.

Service Light *(Menu 5.1.7)*

This menu option allows you to select whether or not the service light is used or in which color it flashes.

Select one from the three color settings available. When the phone is ready for use, the service light flashes in the appropriate color.

If you do not wish to use the service light, select **Off**.

Graphic Logo *(Menu 5.1.8)*

This menu allows you to display your service provider's logo instead of its name.

Off: the service provider's name displays in Idle mode.

On: the service provider's logo stored in your phone displays in Idle mode; if no logo has been stored, the service provider's name displays.

Greeting Message *(Menu 5.2)*

This menu option allows you to set a greeting to be displayed briefly when the phone is switched on.

To	Press the
clear the existing message	*i*/C key and hold it down until the message is cleared.
enter a new message	appropriate alphanumeric keys.
change the text input mode	right soft key.

For further details about how to enter characters, see page 42.

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Own Number *(Menu 5.3)*

This function is a memory aid, which you can:

- assign a name to each of your own phone numbers registered on your SIM card.
- edit the names and numbers.

Any changes made here do not in any way affect the actual subscriber numbers on your SIM card.

Language *(Menu 5.4)*

You can select a display language, either English or Español.

Security *(Menu 5.5)*

The Security feature enables you to restrict the use of your phone to the people and the types of calls of your choice.

Various codes and passwords are used to protect the features of your phone. They are described in the following sections. See also pages 141-143.

PIN Check *(Menu 5.5.1)*

When the PIN Check feature is enabled, you must enter your PIN each time you switch the phone on. Consequently, any person who does not have your PIN cannot use your phone without your approval.

Note: Before disabling the PIN Check feature, you must enter your PIN.

The following options are available:

Disable: the phone connects directly to the network when you switch it on.

Enable: you must enter the PIN each time the phone is switched on.

Change PIN *(Menu 5.5.2)*

This feature allows you to change your current PIN to a new one, provided that the PIN Check feature is enabled. You must enter the current PIN before you can specify a new one.

Once you have entered a new PIN, you are asked to confirm it by entering it again.

Phone Lock *(Menu 5.5.3)*

When the Phone Lock feature is enabled, the phone is locked and you must enter the 8-digit phone password each time the phone is switched on.

The password is preset to "00000000" at the factory. To change the phone password, see the **Change Password** menu (**Menu 5.5.4**).

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Once the correct password has been entered, you can use the phone until you switch it off.

The following options are available:

Disable: you are not asked to enter the phone password when you switch the phone on.

Enable: you are required to enter the phone password when you switch the phone on.

Change Password *(Menu 5.5.4)*

The Change Password feature allows you to change your current phone password to a new one. You must enter the current password before you can specify a new one.

The password is preset to "00000000" at the factory. Once you have entered a new password, you are asked to confirm it by entering it again.

SIM Lock *(Menu 5.5.5)*

When the SIM Lock feature is enabled, your phone only works with the current SIM. You must enter the SIM lock code.

Once you have entered the lock code, you are asked to confirm it by entering it again.

To unlock the SIM, you must enter the SIM lock code.

FDN Mode *(Menu 5.5.6)*

FDN (Fixed Dial Number) mode, if supported by your SIM card, allows you to restrict your outgoing calls to a limited set of phone numbers.

The following options are available:

Disable: you can call any number.

Enable: you can only call phone numbers stored in Phonebook. You must enter your PIN2.

Note: Not all SIM cards have a PIN2. If your SIM card does not, this menu option does not display.

Change PIN2 *(Menu 5.5.7)*

The Change PIN2 feature allows you to change your current PIN2 to a new one. You must enter the current PIN2 before you can specify a new one.

Once you have entered a new PIN2, you are asked to confirm it by entering it again.

Note: Not all SIM cards have a PIN2. If your SIM card does not, this menu option does not display.

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Extra Settings *(Menu 5.6)*

You can turn the automatic redialing or answering features on or off.

To turn a feature	Press the
on	**On** soft key. A check mark displays in front of the option.
off	**Off** soft key. The check mark no longer displays.

The following options are available:

Auto Redial: when this option is checked, the phone makes up to ten attempts to redial a phone number after an unsuccessful call.

Note: The interval between two call attempts varies.

Anykey Answer: when this option is checked, you can answer an incoming call by pressing any key, except the key and the **Reject** soft key. To reject the call, press the key or the **Reject** soft key.

When this option is unchecked, you can only press the key or **Accept** soft key.

Short Cut *(Menu 5.7)*

The Navigation keys can be used as shortcut keys. In Idle mode, they allow you to access specific menu options directly.

To assign a shortcut to a key:

1. Select the key to be used as a shortcut key by pressing the Up or Down key, and press the **Select** soft key.
   - **Key Up**
   - **Key Down**
   - **Key Right**
   - **Key Left**
2. Select the menu option to be assigned to the key by pressing the Up or Down key.

   Note: To deactivate a shortcut key, select the **None** option.
3. Press the **Select** soft key to save the selection.

Reset Settings *(Menu 5.8)*

You can easily reset your phone to its default settings. To reset your phone:

1. Select the **Reset Settings** menu option.
2. Enter the 8-digit phone password and press the **OK** soft key.

Note: The password is preset to "00000000." To change this password, see page 102.

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Organizer

The Organizer feature enables you to:

- view the calendar and organize your schedule.
- define a list of things to do.
- set the current date and time.
- set an alarm so that the phone rings at a specific time, such as to remind you of an appointment.
- record voice memos.
- use the phone as a calculator for basic mathematical equations or currency exchange operations.

Alarm *(Menu 6.1)*

This feature allows you to:

- set the alarm to ring at a specific time.
- set the phone to switch on automatically and ring the alarm even if the phone is switched off (**Autopower** menu option set to **Enable**).

The following options are available:

Once Alarm: the alarm rings only once and is then deactivated.

Daily Alarm: the alarm rings every day at the same time.

Morning Call: the alarm rings to wake you up in the morning.

To set an alarm:

1. Choose the type of alarm to be set and press the **Select** soft key.
2. Enter the time for the alarm to sound and press the **OK** soft key.

   Note: The time format is preset to **12 Hours** by default. You can change it in the **Time Format** menu (**Menu 6.3.4**).

   If you want to use the alarm options, press the **Options** soft key. The following options are available:

   - **Remove Alarm**: deactivates the current alarm.
   - **Alarm Sound Set**: allows you to select the alarm melody.
3. If you use the 12-hour time format, select **AM** or **PM** and press the **OK** soft key.
4. If you select **Morning Call** in step 1, choose the repeat option, **Monday to Friday** or **Monday to Saturday**, and press the **Select** soft key.

To stop the alarm when it rings, press the **Exit** soft key.

Remove Alarm: deactivates all alarm settings.

Note: You can also stop the alarm even if your phone is in Key Lock mode. After you check the alarm, Key Lock mode is canceled.

Autopower: when this option is set to **Enable**, the alarm rings at the specified time, even if the phone is switched off.

If the menu option is set to **Disable** and the phone is switched off at the specified time, the alarm does not ring.

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Calendar *(Menu 6.2)*

With the Calendar feature, you can:

- consult the calendar.
- write memos to keep track of your schedule.
- set an alarm to act as a reminder.

Consulting the Calendar

When you select the **Calendar** menu (**Menu 6.2**), the calendar displays with today's date highlighted. The following options are available when you press the **Options** soft key:

Search All: displays all of the memos, starting with the oldest, regardless of the day. To scroll through the memos, press the Up or Down key.

Delete All: allows you to delete all of the memos. You are asked to confirm your action.

Go to Date: allows you to go to a specific date.

Exit: exits the Calendar feature and returns to Idle mode.

Writing a Memo

To write or edit a memo on a specific date:

1. Select a date on the calendar, using the Navigation keys.

   Note: To skip to the previous or next month, press the Volume keys on the left side of the phone.

2. Press the **Select** soft key.

   An empty memo screen displays to allow you to enter your memo.

3. Enter your memo and then press the **OK** soft key.

   Note: For further details about how to enter characters, see page 42.

   You are asked if you wish to set an alarm.

4. If you want an alarm to ring on the chosen day, press the **Yes** soft key.

   Otherwise, press the **No** soft key.

5. If you pressed the **Yes** soft key, set the time for the alarm and press the **OK** soft key.

   Note: The time format is preset to **12 Hours** by default. You can change it in the **Time Format** menu (**Menu 6.3.4**).

   You can also select the melody for the alarm by pressing the **Melody** soft key.

6. If you use the 12-hour time format, select **AM** or **PM** and press the **OK** soft key.

The color of the date on the calendar changes to green to indicate that a memo exists for that date.

Viewing a Memo

When you select a day for which a memo already exists on the calendar, the latest memo of the day displays.

If more than one memo is stored, press the Up or Down key to scroll to the previous or next memo.

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Press the **New** soft key to add a new memo to the day.

You can use the following options by pressing the **Option** soft key:

Edit: allows you to change the memo text.

Alarm: allows you to set an alarm to ring at the specified time to remind you of the memo. If you already set, you can change or delete the alarm.

Delete: allows you to delete the memo.

Copy to: allows you to copy the memo to another date.

Move to: allows you to change the date of the memo.

Time & Date *(Menu 6.3)*

This menu allows you to change the current time and date displayed. You can also find out what time it is in another part of the world.

The following options are available:

Set Time: allows you to enter the current time. You can choose the time format in the **Time Format** menu (**Menu 6.3.4**). See below.

Note: Before setting the time, you must specify your time zone, in the **World Time** menu (**Menu 6.3.3**).

Set Date: allows you to enter the day, month and year.

World Time: allows you to find out what time it is in another part of the world, using the Left and Right keys.

The screen shows the:

- city name.
- current date and time.
- time difference between the selected city and your city if you have set the local time (see below for further details).

To select your time zone:

1. Select the city corresponding to your time zone by pressing the Left or Right key one or more times. The local date and time display.
2. Press the **Set** soft key.

Time Format: allows you to change the time format to **24 Hours** or **12 Hours**.

Calculator *(Menu 6.4)*

With this feature, you can use the phone as a calculator. The calculator provides the basic arithmetic functions; addition, subtraction, multiplication and division.

1. Enter the first number using the numeric keys.

   Notes:
   - To delete mistakes or clear the display, press the *i*/C key.
   - To include a decimal point or a bracket, press the left soft key until the symbol you want displays.

2. Press the right soft key until the arithmetic symbol you want appears; **+** (addition), **-** (subtraction), ∗ (multiplication), **/** (division).

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3. Enter the second number.
4. To view the result, press the key.
5. Repeat steps 2 to 4 as many times as required.

To Do List *(Menu 6.5)*

This feature allows you to:

- enter a list of tasks to be done.
- assign a priority and a deadline to each task.
- sort the tasks by priority and status mark.

Creating the To Do List

1. Press the **New** soft key.
2. Enter the first task.

   Note: For further details about how to enter characters, see page 42.
3. Press the **OK** soft key.
4. Select high, normal or low priority using the Up and Down keys and press the **Select** soft key.
5. Enter your deadline and press the **OK** soft key.

   If you do not want to set a deadline, press the **Skip** soft key.

Editing the To Do List

When you select the **To Do List** menu (**Menu 6.5**), the current contents display with the status mark, if the task has been done, and priority; for High, for Normal and for Low.

Action	Procedure
View the details for a specific task	① Highlight the task. ② Press the **View** soft key. ③ Scroll through the tasks using the Up and Down keys, if necessary.
Change the status of a specific task	① Highlight the task. ② Press the * key to mark the task as completed as of the current date and time. or ① Highlight the task. ② Press the **Options** soft key. ③ Select the **Mark** option. ④ Select the appropriate status (**Done** or **Undo**).
Create a new task	① Press the **Options** soft key. ② Select the **New** option. ③ Enter the text, priority and/or deadline for the task.
Edit an existing task	① Highlight the task. ② Press the **Options** soft key. ③ Select the **Edit** option. ④ Change the text, priority and/or deadline for the task.
Sort the existing tasks by priority or status	① Press the **Options** soft key. ② Select the **Sort** option. ③ Select the sort criterion (**High**, **Low**, **Done** or **Undo**).

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Action	Procedure (continued)
Copy a task	① Highlight the task. ② Press the **Options** soft key. ③ Select the **Copy** option. ④ Change the text, priority and/or deadline for the task.
Copy a task to the calendar	① Highlight the task. ② Press the **Options** soft key. ③ Select the **Copy to Calendar** option. ④ Change the text and/or deadline for the task and set the alarm.
Delete a task	① Highlight the task. ② Press the **Options** soft key. ③ Select the **Delete** option.
Delete all tasks	① Press the **Options** soft key. ② Select the **Delete All** option. ③ Confirm the deletion by pressing the **OK** soft key.
Exit the To Do list	① Press the **Options** soft key. ② Select the **Exit** option.

Voice Memo *(Menu 6.6)*

You can record voice memos. After recording, you can send a memo to other people using the Multimedia Message Service.

Record *(Menu 6.6.1)*

This menu allows you to record a new memo. When you select this menu, the display shows the 30-second timer.

1. To start recording, press the **Record** soft key.
2. Record a memo by speaking into the microphone.
3. When you press the **Stop** soft key or the recording time expires, the following options display:
   - **Replay**: plays back your memo.
   - **Re-record**: discards the memo and enables you to record another one.
   - **Save**: allows you to save the memo.
   - **Quit**: cancels your recording and exits the **Record** menu.
4. To save the memo, choose **Save** from the options and press the **Select** soft key.
5. Press the **C** key to clear the default name, if necessary, and enter a name for the memo.

   For further details about how to enter characters, see page 42.

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6. Press the **OK** soft key.

   The memo is saved and then the display shows the memo information.

7. Press the **Options** soft key to use the following memo options:

   - **Send**: allows you to send the memo to other people by using the MMS feature. Follow the procedure on page 78.
   - **Rename**: allows you to change the memo's name.
   - **Delete**: deletes the memo.

8. To exit, press the **C** or key.

Memo List *(Menu 6.6.2)*

This menu shows your voice memo list. Scroll to a memo and press the **Options** soft key. The following options are available:

Play: plays the memo.

Send: allows you to send the memo to other people by using the MMS feature. See page 78 for further details about sending a message.

Rename: allows you to change the memo's name.

Information: displays information about the memo, such as the name, date when the memo was made, recording duration and memory size.

Delete: deletes the memo.

Delete All *(Menu 6.6.3)*

In this menu, you can delete all of your voice memos.

When the confirming message appears, press the **Yes** soft key. To cancel the deletion, press the **No** soft key.

Currency Exchange *(Menu 6.7)*

Using this menu option, you can figure currency conversions.

1. Enter the current exchange rate of your source currency and press the **OK** soft key.

   You can insert a decimal point by pressing the # key.

2. Enter the amount to convert and press the **OK** soft key.

   The amount you entered and its equivalent value display.

3. Press the **Exit** soft key to exit the currency convertor.

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Network Services

These menu functions are network services. Please contact your service provider to check their availability and subscribe to them, if you wish.

Call Diverting *(Menu 7.1)*

This network service enables incoming calls to be rerouted to a number that you specify.

Example: You may wish to forward your business calls to a colleague while you are on holiday.

You can use the following options to divert voice calls and/or data calls:

Divert Always: all calls are forwarded.

Busy: calls are forwarded when you are already on another call.

No Reply: calls are forwarded when you do not answer the phone.

Unreachable: calls are forwarded when you are not in an area covered by your service provider.

Cancel All: all call forwarding options are canceled.

To set your call diverting options:

1. Select a call diverting option by pressing the Up or Down key, and then press the **Select** soft key.
2. Select the type of calls, voice or data, by pressing the Up or Down key, and then press the **Select** soft key.

   The current status displays. If the option has already been set, the number to which the calls are forwarded displays.

3.

To	Press the
activate call forwarding	**Activate** soft key. Go to step 4.
change the call number	**Change** soft key. Go to step 4.
deactivate call forwarding	**Remove** soft key.

4. Enter the number to which the calls are to be forwarded and press the **OK** soft key.
   To enter an international code, press the **0** key until the **+** sign displays.

   The phone sends your settings to the network and the network's acknowledgement displays.

You can deactivate all call forwarding settings by selecting the **Cancel All** option.

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Call Barring *(Menu 7.2)*

The call barring network service allows you to restrict your calls.

Call barring can be set up in the following ways:

All Outgoing: calls cannot be made.

International: international calls cannot be made.

International Except to Home: when abroad, calls can be made only to numbers within the current country and to your home country, which is the country where your home network provider is located.

All Incoming: calls cannot be received.

Incoming While Abroad: calls cannot be received when you are using your phone outside of your home service area.

Cancel All: all call barring settings are deactivated; calls can be made and received normally.

You can specify individual barring options for each of the following call types:

- Voice calls only
- Data calls only

To set your call barring options:

1. Select the type of call barring by pressing the Up or Down key, and then press the **Select** soft key.
2. Select the type of calls to be barred by pressing the Up or Down key, and then press the **Select** soft key.

3. Press the **Activate** soft key to confirm your settings.
4. Enter your call barring password supplied by your service provider.

   The phone sends your settings to the network and the network's acknowledgement displays.

To deactivate specific call barring settings:

1. Select the call barring option to be deactivated.
2. Select the type of call to which this option applies.
3. Press the **Deactivate** soft key.
4. Enter your call barring password supplied by your service provider.

   The phone sends your settings to the network and the network's acknowledgement displays.

You can also deactivate all call barring settings by selecting the **Cancel All** option.

Change Barring Password: you can set and change the call barring password obtained from your service provider using this option. You must enter the current password before you can specify a new one.

Once you have entered a new password, you are asked to confirm it by entering it again.

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Call Waiting *(Menu 7.3)*

This network service informs you when someone is trying to reach you during another call.

You can specify individual call waiting options for voice calls and/or data calls.

To set your call waiting options:

1. Select the type of calls, voice or data, to which you want to apply the call waiting option by pressing the Up or Down key, and then press the **Select** soft key.

   The screen informs you whether call waiting is activated or deactivated.

2. You can activate or deactivate the call waiting feature as necessary by using the **Activate** or **Deactivate** soft key respectively.

   To return to the previous screen, press the **Exit** soft key.

You can also deactivate all call waiting settings by selecting the **Cancel All** option.

Network Selection *(Menu 7.4)*

The Network Selection feature enables you to automatically or manually select the network used when roaming outside of your home area.

Note: You can select a network other than your home network only if there is a valid roaming agreement between them.

To indicate to automatically or manually select the network when roaming:

1. When **Network Selection** displays, press the **Select** soft key.

2. Press the Up or Down key until the appropriate option highlights, and then press the **OK** soft key.

   If you select **Automatic**, you are connected to the first available network when roaming.

   If you select **Manual**, the phone scans for the available networks. Go to step 3.

3. Press the Up or Down key until the network you want highlights, and then press the **OK** soft key.

   You are connected to that network.

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Caller ID *(Menu 7.5)*

You can prevent your phone number from being displayed on the phone of the person being called.

Note: Some networks do not allow the user to change this setting.

The following options are available:

Default: the default setting provided by the network is used.

Hide Number: your number does not display on the other person's phone.

Send Number: your number is sent each time you make a call.

Closed User Group (CUG) *(Menu 7.6)*

This network service allows incoming and outgoing calls to be restricted to a selected user group. You may be a member of up to ten user groups.

For details about how to create, activate and use a closed user group, contact your service provider.

Example: A company lends SIM cards to its employees and wants to restrict outgoing calls to members of the same team.

Activating a Closed User Group

If you select the **Closed User Group** menu, you can enter the CUG function. You can now access the following options after pressing the **Select** soft key:

Index List: lets you list, add or delete CUG index numbers. The list of current CUG indexes appears. Add a new CUG index as advised by your service provider or delete a group.

To	Press the
scroll through the existing CUG indexes	Up or Down key.
add a new CUG index	**Options** soft key, select the **Add** option and enter the index.
delete a CUG index	**Options** soft key and select the **Delete** option.
activate a CUG index	**Options** soft key and select the **Activate** option.

Outside Access: lets you enable or disable calls to numbers other than those in the Closed User Group. This feature depends on the nature of your CUG subscription. Please check with your service provider.

Default Group: you may set a default CUG with your service provider. If you have done so, you can enable the **Default Group** option on your phone. When making a call, you are given the option of using your default CUG, instead of selecting one from the list.

Deactivate: deactivates the CUG function. This menu appears only when the default group is enabled or a CUG index is selected.

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Funbox

The **Funbox** menu contains several fun options.

WAP Browser *(Menu 8.1)*

Your phone is equipped with a WAP (Wireless Application Protocol) browser to allow you to access and navigation the Wireless Web using your phone.

Home *(Menu 8.1.1)*

Selecting this option connects the phone to the network and loads the homepage of the Wireless Web service provider. You can also press the *i*/C key in Idle mode.

The content of the WAP Browser startup home page depends on your Wireless Web service provider. To scroll through the screen, use the Up and Down keys.

Note: To access the startup home page from any other screen in the WAP browser, use the **Home** option. For further details about the WAP Browser menus, see page 128.

Exiting the WAP Browser

To exit the browser at any time, simply press the ⏻ key.

Navigating the WAP Browser

To	Press the
scroll through and select browser items	Up or Down key until the symbol ▶ points to the required item, and then press the **OK** soft key to confirm the selection.
select a numbered item	corresponding numeric key.
return to the previous page	**Back** soft key or the *i*/C key.
return to the startup homepage	* key for more than two seconds and select the **Home** option. For further details about this option, see page 128.

Entering Text in the WAP Browser

When you are prompted to enter text, the current text input mode is indicated on the screen. You can change the text input mode by pressing the *i*/C key.

The following modes are available:

Upper-case character (**A**): allows you to enter upper-case English characters.

Lower-case character (**a**): allows you to enter lower-case English characters.

T9 (**T9**): allows you to enter English characters by pressing one key per letter. In this mode, you can use only the **0** key to display alternative words. To change the case, press the * key.

Number (**1**): allows you to enter numbers.

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Selecting and Using Browser Menu Options

Various menu options are available when you are using the WAP Browser to navigate the Wireless Web.

To access a menu option:

1. Press and hold the * key.
   A menu displays.
2. Highlight a menu option by pressing the Up or Down key.
3. Select an option by pressing the **Select** soft key.
4. If necessary, select a secondary option using the Up and Down keys, and press the **Select** soft key to confirm.

Note: The menus may vary, depending on your version of the WAP browser.

The following menu options are available:

Reload: reloads the current page.

Home: takes you back at any time to the home page of the Wireless Web service provider.

Go to URL: allows you to manually enter the URL address of the required Web page. After entering an address, press the **OK** soft key to go there directly.

Show URL: displays the URL address of the site to which you are currently connected. It also enables you to set the current site as the startup home page.

To	Press the
set the current page as your startup home page	**Option** soft key, select the **Save to Home** option and press the **Select** soft key.
set a bookmark for the current page	**Option** soft key, select the **Save to Bookmark** option and press the **Select** soft key.
cancel your setting	**Back** soft key.

Edit Home: allows you to change the startup home page manually. Enter the required URL and press the **OK** soft key. For further details about entering text, see page 42.

Clear Cache: deletes the information stored in the cache, which stores the most recently accessed Web pages.

Inbox: allows you to read messages received from the web server.

Favorite *(Menu 8.1.2)*

This option allows you to store the URL addresses of your favorite web sites. You can access this menu directly by pressing and holding the # key while using the WAP browser.

To store a URL address:

1. Select an empty location and press the **Options** soft key.
2. Enter the address and press the **Enter** soft key.
3. Enter a name for the favorite item and press the **Enter** soft key.

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After saving favorite items, you can use the following options by pressing the **Options** soft key:

Goto URL: takes you to the site.

Edit: allows you to edit the address.

Delete: deletes the address.

http:// *(Menu 8.1.3)*

This menu allows you to manually enter the URL address of the Web site that you wish to access.

For further details about how to enter characters, see page 42.

Settings *(Menu 8.1.4)*

This menu allows you to set up five proxy servers for the WAP browser. Contact your service provider for details about your Settings options.

For each server, the following options are available:

Profile Name: enter a name that you wish to assign to the HTTP proxy server.

Homepage URL: set the address of your startup homepage. When the default homepage displays, you can delete it using the **C** key and enter your own choice.

Security: select a data transmission mode. Choose **Secure** to protect your data against unauthorised access; otherwise, choose **Non-Secure**.

Bearer: select a bearer to be used for each type of network address accessed; **GPRS** or **Data**.

When the bearer is set to **GPRS**:

IP Address: enter the WAP gateway address required to connect to the Internet.

User Name: enter the User ID required to connect to the GPRS network.

Password: enter the password required to connect to the GPRS network.

APN: enter the access point name used for the address of the GPRS network gateway.

When the bearer is set to **Data**:

IP Address: enter the WAP gateway address required to connect to the Internet.

Login Name: enter the PPP server login ID.

Password: enter the PPP server password.

Dial-up Number: enter the PPP server phone number.

Data Call Type: select a data call type; **Analogue** or **ISDN**.

Note: The WAP browser settings may vary, depending on the service provider. Contact your service provider for further details.

Clear Cache *(Menu 8.1.5)*

You can clear the information stored in the cache, the phone's temporary memory which stores the most recently accessed Web pages.

Press the **Yes** soft key to confirm the deletion. Otherwise, press the **No** soft key.

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Push Message *(Menu 8.1.6)*

In this menu option, you can receive and access web messages from the server.

The following options are available:

Inbox: allows you to read the messages received from the web server.

Receive: allows you to set whether or not your phone receives web messages.

Delete All: allows you to delete all of the web messages.

Games *(Menu 8.2)*

You can download MIDlets (Java applications running on mobile phones) from various sources using the WAP Browser and store them in your phone.

When you access the **Games** menu, the list of the default games appears. Once you have downloaded games, they are added to the list.

Note: Java services may not be available, depending upon your service provider.

Launching a MIDlet

Note: The procedure explained below is for the default games. For downloaded games, the procedure may be different.

1. Scroll to the MIDlet you want on the Games list and press the **Launch** soft key.

2. On the startup screen of the MIDlet, scroll to an option using the Navigation keys.

   The following options are available:

   - **START GAME**: starts a new game.
   - **CONTINUE**: allows you to continue the last game you were playing.
   - **HIGH SCORE**: shows the high score table. This option may not be available for some games.
   - **HOW TO PLAY**: shows how to play the game and the key functions for the game.
   - **OPTION**: allows you to switch the game sound on or off.

3. Press the *i*/C key to confirm your selection.

While you are playing a game, to	Press the
adjust the sound volume	Volume keys.
stop the game and return to the startup screen	**C** key.
exit the game	⏻ key.

Viewing MIDlet Information

1. Scroll to the MIDlet you want and press the **Info** soft key.

   The display shows information about the MIDlet, such as the file size, application version and its vendor.

2. To scroll to other MIDlet information, press the Navigation keys.

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3. If you want to delete the MIDlet, press the **Delete** soft key and then press the **Yes** soft key to confirm the deletion.

4. To exit and return to the Games screen, press the **Back** soft key or the **C** key.

Note: When you select the default games from the list, the **Delete** option is not available, so that you cannot delete them.

Entering Text

If you need to enter text while using a MIDlet, you can use the following input modes:

Upper-case character (**A**): allows you to enter upper-case English characters.

Lower-case character (**a**): allows you to enter lower-case English characters.

Number (**1**): allows you to enter numbers.

Symbol: allows you to enter symbols. After highlighting a symbol by pressing the Navigation keys, press the ♯/C key to insert it.

T9 (**T9**): allows you to enter English characters by pressing one key per letter. In this mode, you can change the case by pressing the **0** key.

To change the text input mode, press the ✳ key until the appropriate indicator appears on the soft key area of the display.

Changing the DNS Settings

The DNS (Domain Name Server) is the server that assigns the Java server domain name to an IP address. The DNS setting is preset at the factory, but sometimes you may need to change it at your service provider's instructions.

1. Scroll to **Setting** on the Games list and press the **Select** soft key.

2. Enter the primary address using the number keypad and press the **OK** soft key.

3. Enter the secondary address and press the **OK** soft key.

Sounds *(Menu 8.3)*

In this menu, you can view the list of sounds downloaded from the web server or received in multimedia messages. You can set the downloaded sounds as the current ring tone or send them to other phones.

By pressing the **Options** soft key, you can use the following options:

Rename: allows you to change the name of the sound.

Delete: deletes the sound.

Set as Ring Tone: sets the sound as your ring tone.

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Images *(Menu 8.4)*

In this menu, you can view the list of pictures downloaded from the web server or received in messages. You can set the downloaded pictures as the current background image or send them to other phones.

By pressing the **Options** soft key, you can use the following options:

Rename: allows you to change the name of the image.

Delete: deletes the image.

Set as Wallpaper: sets the image as your wallpaper for the idle screen.

Delete All *(Menu 8.5)*

This menu allows you to delete all of the downloaded items in the Games, Sounds and Images folders. You can delete all of the items at one time.

To	Press the
select a folder to clear	Up or Down key. To delete all of your items, select **All**.
place a check mark	**Mark** soft key.
remove a check mark	**Unmark** soft key.
delete the marked items	**Delete** soft key.

When a confirming message displays, press the **Yes** soft key to confirm.

Memory Status *(Menu 8.6)*

You can check the amount of the memory being used and the memory remaining for games, sounds and images.

Games: each time you press the **Next** soft key, the display shows the total, free and used space, and the number of objects you downloaded.

Sounds & Images: each time you press the **Next** soft key, the display shows the total and free space, including the memory for objects in the **Sounds** and **Images** menus and the memory for voice memos.

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Solving Problems

If you are experiencing problems with your phone, perform the following simple checks before contacting a service professional. This may save you the time and expense of an unnecessary service call.

When you switch your phone on, the following messages may appear

Insert SIM Card

- Check that the SIM card is correctly installed.

Phone Locked Enter Password

- The automatic locking function has been enabled. You must enter the phone's password before you can use the phone.

Enter PIN

- You are using your phone for the first time. You must enter the Personal Identification Number (PIN) supplied with the SIM card.
- The PIN Check feature is enabled. Every time the phone is switched on, the PIN has to be entered. To disable this feature, use the **PIN Check** menu (**Menu 5.5.1**).

Enter PUK

- The PIN code was entered incorrectly three times in succession and the phone is now blocked. Enter the PUK supplied by your service provider.

"No service," "Network failure" or "Not done" displays

- The network connection was lost. You may be in a weak signal area (in a tunnel or surrounded by buildings). Move and try again.
- You are trying to access an option for which you have not taken out a subscription with your service provider. Contact the service provider for further details.

You have entered a number but it was not dialed

- Have you pressed the key?
- Are you accessing the right cellular network?

Your correspondent cannot reach you

- Is your phone switched on (the key pressed for more than one second)?
- Are you accessing the right cellular network?

Your correspondent cannot hear you speaking

- Have you switched off the microphone?
- Are you holding the phone close enough to your mouth? The microphone is located at the bottom of the phone.

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The phone starts beeping and "**Warning** Low Battery" flashes on the display

- The battery is insufficiently charged. Recharge the battery.

The audio quality of the call is poor

- Check the signal strength indicator on the display (); the number of bars indicates the signal strength from strong () to weak ().
- Try moving the phone slightly or moving closer to a window if you are in a building.

No number is dialed when you recall a Phonebook entry

- Check that the number has been stored correctly, by using the Phonebook Search feature.
- Re-store the number, if necessary.

If the above guidelines do not help you to solve the problem, take a note of:

- the model and serial numbers of your phone
- your warranty details
- a clear description of the problem

Then contact your local dealer or Samsung after-sales service.

Access Codes

There are several access codes that are used by your phone and its SIM card. These codes help you protect the phone against unauthorized use.

When requested for any of the codes explained below, enter the appropriate code (displayed as asterisks) and press the **OK** soft key. If you make a mistake, press the *i*/C key one or more times until the incorrect digit is cleared and then continue entering the correct code.

The access codes, except for the PUK and PUK2 codes can be changed using the **Security** menu (**Menu 5.5**). See page 100 for further details.

Important! Avoid using access codes resembling emergency numbers, such as 911, so that you do not dial an emergency number accidentally.

Phone Password

The Phone Lock feature uses the phone password to protect your phone against unauthorized use. The phone password is supplied with the phone and is preset to "00000000" at the factory.

To	See
activate/deactivate the Phone Lock feature	page 101 (**Menu 5.5.3**).
change the phone password	page 101 (**Menu 5.5.4**).

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PIN

The **P**ersonal **I**dentification **N**umber or PIN (4 to 8 digits) protects your SIM card against unauthorized use. It is usually supplied with the SIM card.

If you enter an incorrect PIN three times in succession, the code is disabled and cannot be used until you re-enable it by entering the PUK (see below).

To	See
activate/deactivate the PIN Check feature	page 101 (**Menu 5.5.1**).
change the PIN	page 101 (**Menu 5.5.2**).

PUK

The 8-digit PUK (**P**IN **U**nblocking **K**ey) is required to change a disabled PIN. The PUK may be supplied with the SIM card. If not, or you have lost it, contact your service provider.

To re-enable your PIN:

1. Enter the PUK and press the **OK** soft key.
2. Enter a new PIN of your choice and press the **OK** soft key.
3. When the **Confirm New PIN** message displays, enter the same code again and press the **OK** soft key.

If you enter an incorrect PUK ten times in succession, the SIM card becomes invalid. Contact your service provider for a new card.

PIN2

The PIN2 (4 to 8 digits), supplied with some SIM cards, is required to access specific functions, such as setting the maximum cost of a call. These functions are available if supported by your SIM card.

If you enter an incorrect PIN2 three times in succession, the code is disabled and you cannot access the functions until you re-enable it by entering the PUK2.

To change the PIN2, see page 103 (**Menu 5.5.7**).

PUK2

The 8-digit PUK2 (**P**IN **U**nblocking **K**ey **2**), supplied with some SIM cards, is required to change a disabled PIN2. If you lose the code, contact your service provider.

To re-enable your PIN2:

1. Enter the PUK2 and press the **OK** soft key.
2. Enter a new PIN2 of your choice and press the **OK** soft key.
3. When the **Confirm PIN2** message displays, enter the same code again and press the **OK** soft key.

If you enter an incorrect PUK2 ten times in succession, you will not be able to access the functions requiring the PIN2. Contact your service provider for a new card.

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Glossary

To help you understand the main technical terms and abbreviations used in this booklet and take full advantage of the features on your mobile phone, here are a few definitions.

Active Flip

Ability to answer a call simply by opening the phone.

Call Barring

Ability to restrict outgoing and incoming calls.

Call Forwarding

Ability to reroute calls to another number.

Call Holding

Ability to put one call on standby while answering or making another call; you can then switch between the two calls, as required.

Call Waiting

Ability to inform users that they have an incoming call when engaged on another call.

Caller Line Identification Services (Caller ID)

Services allowing subscribers to view or block the telephone numbers of callers.

Dual Band

Ability to operate with both DCS (1900 MHz) and GSM (850 MHz) networks. The phone automatically uses the network with the strongest signal and even switches networks during a call within the same operator's network.

EMS (Enhanced Message Service)

An adaptation of the Short Message Service (SMS) that allows you to send and receive ring tones and service provider's logo, as well as combinations of simple media to and from EMS-compliant handsets. Because EMS is based on SMS, it can use SMS centers the same way that SMS does. EMS works on all Global System for Mobile communications (GSM) networks. EMS senders can use text, melodies, pictures, sounds, and animations to enhance the expressive power of messages that are limited by the display constraints of mobile devices.

GPRS (General Packet Radio Service)

New non-voice value-added service that allows information to be sent and received across a mobile telephone network. GPRS guaranties continuous connection to the Internet for mobile phone and computer users. It is based on the Global System for Mobile Communication (GSM) circuit-switched cellular phone connections and the Short Message Service (SMS).

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GSM (Global System for Mobile Communication)

International standard for cellular communication, guaranteeing compatibility between the various network operators. GSM covers most European countries and many other parts of the world.

Java

Programming language generating applications that can run on all hardware platforms, whether small, medium or large, without modification. It has been promoted for and geared heavily to the Web, both for public Web sites and Intranets. When a Java program runs from a Web page, it is called a *Java applet*. When it is run on a mobile phone or pager, it is called a MIDlet.

MMS (Multimedia Message Service)

A message service for the mobile environment, standardized by the WAP Forum and the 3rd Generation Partnership Program (3GPP). For phone users, MMS is similar to Short Message Service (SMS)-it provides automatic, immediate delivery of user-created content from phone to phone. The message addressing used is primarily phone numbers, thus the traffic goes from phone to phone. MMS also provides support for e-mail addressing, so that messages can also be sent by e-mail. In addition to the text content of SMS, MMS messages can contain still images, voice or audio clips, and later also video clips and presentation information.

Multi-party Calling

Ability to establish a conference call involving up to five additional people.

Phone Password

Security code used to unlock the phone when you have selected the option to lock it automatically each time it switches on.

PIN (Personal Identification Number)

Security code that protects the phone against unauthorized use. The PIN is supplied by the service provider with the SIM card. It may be a four to eight-digit number and can be changed, as required.

Proxy Server

A proxy server resides between a web client, such as a web browser, and a real Web server and acts as an intermediary between them. When some people browse a web site, their browser is not actually connecting to the web server. The request from their browser goes to a proxy server, and the proxy server makes the request to the web server.

A proxy server can improve performance for groups of users because it cache the results of all requests for a certain amount of time. If a user requests a web page that it already loaded for another user, it reloads the page instead of forwarding the request to the Web server, which can be a time-consuming operation.

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PUK (PIN Unblocking Key)

Security code used to unlock the phone when an incorrect PIN has been entered three times in succession. The eight-digit number is supplied by the service provider with the SIM card.

Roaming

Use of your phone when you are outside your home area (when traveling for example).

SDN (Service Dialing Numbers)

Telephone numbers supplied by your service provider and giving access to special services, such as voice mail, directory inquiries, customer support and emergency services.

SIM (Subscriber Identification Module)

Card containing a chip with all the information required to operate the phone (network and memory information, as well as the subscriber's personal data). The SIM card fits into a small slot on the back of the phone and is protected by the battery.

SMS (Short Message Service)

Network service sending and receiving messages to and from another subscriber without having to speak to the correspondent. The message created or received can be displayed, received, edited or sent.

Soft Keys

Two keys marked and on the phone, the purpose of which:

- varies according to the function that you are currently using.
- is indicated on the bottom line of the display just above the corresponding key.

Voice Mail

Computerized answering service that automatically answers your calls when you are not available, plays a greeting (optionally in your own voice) and records a message.

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Dual Band SGH-X105 GPRS Telephone

Quick Reference Card

Switch On/ Off	Press and hold the key.
Make a Call	① Enter the number. ② Press the key.
End a Call	Briefly press the key.
View Missed Calls Immediately after Missing Them	① Press the **View** soft key. ② Scroll using the Up and Down keys through the missed calls. ③ To return the call, press the key.

Access the Menu Functions	① Press the **Menu** soft key. ② Scroll using the Up and Down keys through the list of the menus until you reach the menu you want. ③ Press the **Select** soft key. ④ Scroll using the Up and Down keys through the list of the options until the one you want is selected. ⑤ Press the **Select** soft key.

Each of the two soft keys (and) perform the function indicated by the text above it, on the bottom line of the display.

Answer a Call	Press the key.
Adjust the Volume	Press the Volume keys on the left side of the phone.
Choose the Alert Type	① Select the **Alert Type** menu (**Menu 4.3**). ② Select an option: • **Light Only** • **Melody** • **Vibration** • **Vibra+Melody** ③ Press the **Select** soft key.

Store Numbers in Phonebook	① Enter the number. ② Press the **Save** soft key. ③ Select an icon for label. ④ Press the **Selec**t soft key. ⑤ Enter the name. ⑥ Press the **OK** soft key. ⑦ If necessary, change the location number. ⑧ Press the **OK** soft key. ⑨ Press the key to return to Idle mode.
Search for a Number in Phonebook	① Press the **Name** soft key. ② Select the **Search** option. ③ Enter the first few letters of the name. ④ To scroll through the names, press the Up and Down keys. ⑤ Press the **View** soft key. ⑥ To scroll through the numbers, press the Up and Down keys. ⑦ Press the key to dial.

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